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RADC-TR-68-114, Volume III  
Final Report



DATA COLLECTION FOR NONELECTRONIC RELIABILITY HANDBOOK  
(NEDCO II)

Volume III, Section I, Failure Rate Data (Continued)

William Yurkowsky  
Hughes Aircraft Company

TECHNICAL REPORT NO. RADC-TR-68-114  
June 1968

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Air Force Systems Command  
Griffiss Air Force Base, New York

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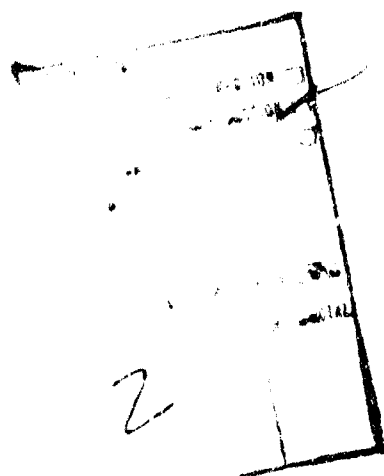
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**DATA COLLECTION FOR NONELECTRONIC RELIABILITY HANDBOOK  
(NEDCO II)**

**Volume III, Section I, Failure Rate Data (Continued)**

**William Yurkowsky**

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### EXPLANATION OF NEDCO II DATA FORMAT

The computer printout of nonelectronic data is presented in three sections: Section I - Failure Rate Data, Section II - Stress Level Data/Part Number, and Section III - Failure Mode Distributions.

#### Format of Section I - FAILURE RATE DATA

PART CLASSIFICATION: Parts are classified by generic type, utilizing the first five digits of the IDEP code for part classification. In the NEDCO format, the first three digits of the IDEP code appear with the part type at the top of the page. The fourth and fifth digits of the IDEP code appear with the IDEP part descriptors and are intended as subheadings on each page. Consistent with the IDEP definition, "N.O.C." means "Not Otherwise Classified," in part class or subheading.

PART DESCRIPTION: Additional part descriptive information is presented in this field. The specific part name is listed here when the IDEP classification only groups several similar part types.

FUNCTIONAL APPLICATION: This field describes the subsystem or application in which the part is used. Also, certain operating conditions may appear in parentheses in this field. When the same letter used as a suffix on failure rate, upper 90% confidence limit, and part-hours may have more than one meaning (e.g., M = MISSIONS or M = MILES), its meaning for that line item of data is explained in this field.

ENVIRONMENT: The operating environment is given by the following abbreviations:

LAB = LABORATORY  
GRD = GROUND  
GRD FXD = GROUND, FIXED  
GRD MOB = GROUND, MOBILE  
GRD PORT = GROUND, PORTABLE  
SHP = SHIPBOARD  
SUB = SUBMARINE  
SAT = SATELLITE  
AIR = AIRCRAFT  
AIR CB = AIRCRAFT, CARRIER BASED  
AIR LB = AIRCRAFT, LAND BASED  
MSL = MISSILE  
GEN = GENERAL  
LIFE, LAB = LIFE TEST, LABORATORY  
LIFE, ACC = LIFE TEST, ACCELERATED  
ACCEPT TEST = ACCEPTANCE TEST  
STOR = STORAGE  
AIR GRD = AIR, GROUND  
AIR SHP GRD = AIR, SHIP, GROUND  
HELI = HELICOPTER  
QUAL TEST = QUALIFICATION AND EVALUATION TEST

SIM GRD = SIMULATED GROUND  
 SIM SHP = SIMULATED SHIPBOARD  
 SIM SUB = SIMULATED SUBMARINE  
 SIM SAT = SIMULATED SATELLITE  
 SIM MSL = SIMULATED MISSILE  
 SIM HELI = SIMULATED HELICOPTER  
 SIM AIR = SIMULATED AIRCRAFT  
 GRD SHP = GROUND, SHIP  
 RR = RAILROAD  
 SIM GRD AIR = SIMULATED GROUND, AIR

**FAILURE RATE:** Failures per million operating hours are given unless the failure rate is suffixed by a letter. The letter indicates that the failure rate is expressed in failures per million units explained either in the FUNCTIONAL APPLICATION field or as follows:

A = Actuations  
 C = Cycles  
 R = Rounds  
 P = Premature removals per million hours

An asterisk (\*) indicates 0 failures.

**UPPER 90% CONFIDENCE LIMIT:** The upper one-sided 90% confidence limit is given in the units of the failure rate. Letters in suffix relate to units as in the FAILURE RATE field.

**PART POPULATION:** Total number of parts under observation are given in this field.

**PART-HOURS:** This field indicates total test time in millions of part-hours unless there is a letter in suffix. The letter is of the same code as the FAILURE RATE field.

**YEAR OF REPORT:** This date is the one appearing with the originator's data contribution and may represent either the date the data was generated or the date it was published.

**DATA SOURCE:** This field is a coded indication of the source of the data (see NEDCO II Source List), and is intended for RADC use only.

**CROSS INDEX REFERENCE NUMBER:** This number relates the failure rate data in Section I to the stress and failure mode information in Sections II and III. The suffix "A" on a number means that there exists supplemental information for the entry in Section II.

Format of Section II - STRESS LEVEL DATA/PART NUMBER

**CROSS INDEX REFERENCE NUMBERS:** This number relates to the failure rate data in Section I.

MILITARY STANDARD PART NUMBER/FEDERAL STOCK NUMBER: The number provided may be a Military Standard part number or a federal stock number.

PERCENT OF RATED VOLTAGE: The number indicated is the percent of the vendor-rated voltage at which the part was operated.

PERCENT OF RATED CURRENT: The number indicated is the percent of the vendor-rated current at which the part was operated.

PERCENT OF RATED POWER: The number indicated is the percent of the vendor-rated power at which the part was operated.

PERCENT OF RATED FREQUENCY: The number indicated is the percent of the vendor-rated frequency at which the part was operated.

PERCENT OF RATED PRESSURE: The number indicated is the percent of the vendor-rated pressure at which the part was operated.

TYPICAL TEMPERATURE: The number indicated is the ambient temperature of the part in degrees Centigrade which was experienced during operation.

HIGH TEMPERATURE: The number indicated is the greatest ambient temperature of the part in degrees Centigrade which was experienced during operation.

LOW TEMPERATURE: The number indicated is the lowest ambient temperature of the part in degrees Centigrade which was experienced during operation.

FREQUENCY OF SINUSOIDAL VIBRATION: The numbers indicated are an individual value or range of values for the frequency of sinusoidal vibration experienced by the part during operation. Values are presented in terms of cycles per second. The abbreviation K or M in this column indicates respectively kilocycles or megacycles.

INTENSITY OF SINUSOIDAL VIBRATION: The numbers indicated are an individual value or range of values for the intensity of sinusoidal vibration experienced by the part during operation. Values are presented in units of g (root-mean-square value).

INTENSITY OF RANDOM VIBRATION: The number indicated is the intensity of random vibration experienced by the part during operation. Values are presented in terms of the unit  $g^2$  per cycle per second.

ACOUSTICAL VIBRATION: The number indicated is the intensity of acoustical vibration experienced by the part during operation. Values are presented in terms of decibels.

MAXIMUM INTENSITY OF SHOCK: The number indicated is the maximum intensity of shock experienced by the part during operation. Values are presented in units of g.

DURATION OF SHOCK: The number indicated is the average duration of individual shock blows experienced by the part during operation. Values are presented in terms of milliseconds.

SHOCK BLOWS PER HOUR: The number indicated is the average number of shock blows per hour experienced during operation.

TYPICAL PRESSURE: The number indicated is the typical barometric pressure experienced by the part during operation. Values are presented in terms of pounds per square inch absolute.

PRESSURE RANGE: The numbers indicated are the range of barometric pressures experienced by the part during operation. Values are presented in terms of pounds per square inch absolute.

TYPICAL RELATIVE HUMIDITY: The number indicated is the typical relative humidity in percent experienced by the part during operation.

RANGE OF RELATIVE HUMIDITY: The numbers indicated are the range of relative humidity in percent experienced by the part during operation.

#### Format of Section III - FAILURE MODE DISTRIBUTIONS

CROSS INDEX REFERENCE NUMBER: This number relates to the failure rate data in Section I. A missing cross index reference number indicates that failure rate information is unknown for that line entry.

FAILURE MODES BY PERCENT OF TOTAL FAILURES: The percent of the total number of failures attributed to a particular failure mode is given under a numerical heading in parentheses. The heading number corresponds to a numbered list of possible failure modes given at the beginning of the page(s) for each separate part type.

JANUARY 1958

HOMELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

PART CLASS	491 MAGNETS	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION	HOURS	VR OF DATA INDEX	CROSS REF NO
PART DESCRIPTION										
.OC PERMANENT, N.O.C.		SEARCH-RADAR-SUBSYSTEM	AIR	46.3821	180.412	2	.02156	62.2322	32356000	

BOMB AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1964

PART CLASS	SIT MECHANISMS, POWER TRANSMISSION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIM	POPULATION	PART HOURS	YR OF DATA	CROSS REF SINCE REF NO
PART DESCRIPTION									
UG N.B.C.									
POWER-ENGINE-CONTROL		AIR		0	4.3358	200	90763	65	1198 323370000
CONTROL-THROTTLE-ENGINE		AIR		0	11.6434	304	19770	65	1227 323400000
CONTROL-HYDRAULIC-PITCH-TRIM-ACTUATOR		AIR		0	46.5736	56	04944	65	1227 323620000
POWER-ENGINE-CONTROL		AIR		0	6.78952	200	33912	63	1198 323640000
CONDITION-ENGINE-CONTROLS		AIR		0	4.91672	400	44548	65	1198 323740000
WING-HINGE-PIN-COCK-WINGFOLD-CONTROL		AIR		0	23.1719		09937	65	1125 323680000
BOOSTER-OUTPUT-AILERON-CONTROL-SYSTEM		AIR		0	19.7868	100	11637	65	1198 323700000
UPLOCK-INITIATOR-AIR-DROP-SYSTEM		AIR		0	93.1472	48	02472	65	1227 323720000
INPUT-WING-FLAP-SYSTEM		AIR		0	63.1472	48	02472	65	1227 323740000
BRAKE		GRD		0	39.0271	54	059	65	1193 323760000
CAK-SHIFT-20MM-GUN		GRD		0	23.0268	2	18	64	1134 323780000
POWER-ENGINE-CONTROL		AIR		0	4.94672	400	44548	65	1198 323800000
MATCH-EJECTION-SYSTEM		AIR		0	32.1503	186	07162	63	1111 323820000
CONTROL-POWER-UNIT-AILERON-SYSTEM		AIR		0	46.5736	96	04944	65	1227 323840000
BRAKE		GRD		0	3.82669	663	60172	64	1176 323860000
SD-ACCESSORY-BASIC-ENGINE		AIR		0	23.2868	192	09608	65	1227 323880000
CONDITION-ENGINE-CONTROLS		AIR		1.96993	7.66247	200	50763	65	1198 323900000
CONDITION-ENGINE-CONTROLS		AIR		2.83286	11.0189	408	353	63	1114 323920000
CONTROL-THROTTLE		AIR		2.85192	11.0931	1624	35064	64	1179 323940000
CONDITION-ENGINE-CONTROLS		AIR		2.9488	11.4699	200	33912	63	1198 323960000
CONDITION-ENGINE-CONTROLS		AIR		3.34448	13.009	200	299	63	1114 323980000
SHIFT-WING-FLAP-ASSEMBLY		AIR		8.59328	33.4252	50	1637	65	1198 324000000
LOCK-INERTIA-REEL-STUDENT-SEAT		AIR		8.7512	34.0395	473	11427	65	1228 324020000
BRAKE		GRD		9.96644	22.1946	267	30101	64	1176 324040000
SHIFT-WING-FLAP-ASSEMBLY		AIR		11.3636	44.2011	102	088	63	1114 324060000
LOCK-INERTIA-REEL-INSTRUCTOR-SEAT		AIR		11.4077	44.3725	406	08766	64	1114 324080000
CONTROL-THROTTLE		AIR		13.1268	23.0421	1892	45708	59	1228 324100000
LOCK-INERTIA-REEL-INSTRUCTOR-SEAT		AIR		35.0048	69.9331	473	11427	65	1228 324120000
CLEARANCE-PLANE-INDICATOR-RADAR-SYS		SIM	GRD AIR	108.108	240.749	195	02775	64	1181 324140000
LOCK-INERTIA-REEL-STUDENT-SEAT		AIR		114.077	175.754	406	08766	64	1179 324160000
CLEARANCE-PLANE-INDICATOR-RADAR-SYS		SIM	GRD AIR	150	334.504	139	02	63	1117 324180000
VARIABLE-GEOMETRY-TURBOJET-J85		AIR		0	10.0752	946	22854	65	1228 324200000
MASTER-AILERON-SYSTEM		AIR		0	19.7868	100	11337	65	1198 324220000
PLANE-GEAR-REAR-REDUCTION-GEAR		AIR		50.1379	1.95021	1716	19945	65	1201 324240000
PLANE-GEAR-FRONT-REDUCTION-GEAR		AIR		1.79079	6.96547	708	35841	65	1201 324260000
PLANE-GEAR-REAR-REDUCTION-GEAR		AIR		1.947	7.57325	528	31361	65	1201 324280000
PLANE-GEAR-REAR-REDUCTION-GEAR		AIR		2.63754	10.2592	400	37914	65	1201 324300000
ACTUATING-ROD-DOOR		AIR		0	27.9917	152	08226	66	1250 324320000
MAIN-LANDING-GEAR-INBOARD									
RUDDER-SYSTEM		AIR		8.7512	34.0395	473	11427	65	1228 324340000
ACTUATING-ROD-DOOR-MLG-INBOARD		AIR		20.2265	78.6751	96	04944	65	1227 324360000
TROOP-COOP-CARGO-COMP		AIR		0	46.5736	96	04944	65	1227 324380000
ELEVATOR-ASSEMBLY		AIR		0	46.5736	96	04944	65	1227 324400000



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	MECHANISMS, POW/M TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 C/P LIMIT	PART LATION	PART HOURS	YR OF DATA RPT	CROSS INDEX
PART DESCRIPTION									
..U M.O.C.									
COLUMNS-CONTROL	ELEVATOR-ASSEMBLY	AIR	0	27.9917	132	0.8221	65 1250	32440000	
COLUMNS-CONTROL	ELEVATOR-ASSEMBLY	AIR	0	9.9344	200	-23274	65 1198	32440000	
COLUMNS-CONTROL	ELEVATOR-ASSEMBLY	AIR	0	13.5798	100	.16956	63 1198	32440000	
COLUMNS-CONTROL	ELEVATOR-ASSEMBLY	AIR	0	5.07178	100	-25382	65 1193	32440000	
COLUMNS-CONTROL	ATLERN	AIR	200	777.94	16	.005	59 1110	32450000	
COLUMNS-STEERING	LANDING-GEAR	AIR	0	93.1472	48	-02472	65 1227	32450000	
COLUMNS-STEERING	LANDING-GEAR	AIR	0	55.9834	76	.04113	66 1250	32450000	
COLUMNS	PULLUP-DOOR-MECHANICAL-CREW	AIR	200	445.386	63	.015	63 1114	32450000	
COLUMNS	PULLUP-DOOR-MECHANICAL-CREW	AIR	0	526.865	50	.12691	65 1198	32450000	
COLUMNS	PULLUP-DOOR-MECHANICAL-CREW	AIR	522.727	636.045	102	.088	63 1114	32460000	
COLUMNS	PULLUP-DOOR-MECHANICAL-CREW	AIR	790.581	907.046	100	.11637	65 1198	32460000	
COLUMNS	PULLUP-DOOR-MECHANICAL-CREW	AIR	1096.95	1257.6	50	.08478	63 1198	32460000	
COLUMNS	PULLUP-DOOR-MECHANICAL-CREW	AIR	1171.33	1350.45	50	.075	63 1114	32460000	
COLUMNS-SHOCK-BUNGE	LANDING-GEAR	AIR	32.258	85.8435	272	.062	63 1114	32460000	
COLUMNS-SHOCK-BUNGE	LANDING-GEAR	AIR	302.718	338.176	400	.46579	65 1198	32470000	
COLUMNS-SHOCK-BUNGE	LANDING-GEAR	AIR	463.837	442.447	200	.50763	65 1198	32472000	
COLUMNS-SHOCK-BUNGE	LANDING-GEAR	AIR	474.758	526.393	200	.33912	63 1198	32474000	
COLUMNS-SHOCK-BUNGE	LANDING-GEAR	AIR	528.428	575.433	200	.299	63 1114	32476000	
COLUMNS-SHOCK-BUNGE	LANDING-GEAR	AIR	569.405	624.405	408	.353	63 1114	32478000	
COLUMNS-SHOCK-RESTRAIN	COPIER-RADAR-AN/APN-147	AIR	0	93.1472	48	-02472	65 1227	32480000	
COLUMNS-SHOCK-RESTRAIN	COPIER-RADAR-AN/APN-147	AIR	0	55.9834	76	.04113	66 1250	32480000	
CRANKS-EDL-CAM-EL-AB-TAB-LH	FLIGHT-CONTROLS-331C/373C	AIR	500P	19.7888	100	.11637	66 2365	32480000	
CRANKS	ACTUATING-CYLINDER-LANDING-GEAR-NOSE	AIR	0	192.847	31	.01194	64 1111	32488000	
CRANKS	MANUAL-GEAR-DEP	AIR	0	93.1472	48	-02472	65 1227	32490000	
CRANKS	FLAP-DOOR-LANDING-GEAR-MAIN	AIR	0	965531	1194	1.0337	67 1272	32492000	
CRANKS	FLAPDOOR-LANDING-GEAR-MAIN-PARATROOP	AIR	4.3756	17.0157	946	.22853	65 1228	32494000	
CRANKS	LOCK-CANOPY-STUDENT	AIR	8.7512	34.0395	473	.11427	65 1228	32496000	
CRANKS	INTERCONNECT-BUDDER-CONTROL-SYSTEM	AIR	10.1132	35.3375	192	.09888	63 1227	32498000	
CRANKS	LOCK-CANOPY-INSTRUCTOR	AIR	11.4077	44.3725	404	.08766	65 1179	32500000	
CRANKS	LOCK-CANOPY-STUDENT	AIR	13.5163	22.7265	597	.51789	67 1272	32502000	
CRANKS	FLAPDOOR-LANDING-GEAR-MAIN-PARATROOP	AIR	17.1115	38.1063	812	.17532	64 1179	32504000	
CRANKS	DRIVE-CANOPY-STUDENT-PARATROOP	AIR	17.5024	46.5765	473	.11427	65 1228	32506000	
CRANKS	DRIVE-CANOPY-STUDENT-PARATROOP	AIR	15.3091	29.7488	597	.51789	67 1272	32508000	
CRANKS	WINDSHIELD-STUDENT	AIR	22.8154	40.7152	404	.08766	64 1179	32510000	
CRANKS	DRIVE-CANOPY-STUDENT-PARATROOP	AIR	22.8154	60.7152	406	.08766	64 1179	32512000	
CRANKS	LOCK-CANOPY-STUDENT	AIR	22.8154	60.7152	406	.08766	64 1179	32514000	
CRANKS	LOCK-CANOPY-INSTRUCTOR	AIR	34.7564	47.8022	597	.51789	67 1272	32516000	
CRANKS	WINDSHIELD-STUDENT	AIR	36.6873	50.0155	597	.51789	67 1272	32518000	
CRANKS	WINDSHIELD-STUDENT	AIR	43.754	81.1647	473	.11427	65 1228	32520000	

ROSE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	511 MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE REF NO	
CRANKS	DRIVE-CANOPY-INSTRUCTOR	AIR	49.6308	91.1881	406	-08764	64	1179	32522000
CRANKS	DRIVE-CANOPY-INSTRUCTOR-FORWARD-ENTRANCE	AIR	52.5072	92.1685	473	-11427	65	1228	32524000
CRANKS	DRIVE-CANOPY-INSTRUCTOR	AIR	83.0292	101.732	597	-51789	67	1272	32526000
CRANKS-HAND	DOOR-HYDRAULIC-PETAL	AIR	24.3131	94.5708	76	-04113	66	1250	32528000A
CRANKS-INTERCONNECT	RUDDER-CONTROL-SYSTEM	AIR	12.158	32.3544	304	-1645	66	1250	32530000
OPUMS	CABLE-CAMERA-DOOR	AIR	*	192.847	31	-01194	63	1114	32532000
DRUMS	DOOR-MECHANICAL-PERSONNEL	AIR	*	13.9975	304	-1645	66	1250	32534000
DRUMS	CARGO-COMPARTMENT	AIR	*	23.2868	192	-05888	65	1227	32536000
DRUMS	DOOR-MECHANICAL-PERSONNEL-CARGO-COMP	AIR	*	192.847	31	-01194	63	1114	32538000
DRUMS	CABLE-STEERING-SYSTEM	AIR	*	192.847	31	-01194	63	1114	32540000
DRUMS	RUDDER-TRIM-CONTROL	AIR	*	4.94872	400	-46548	65	1198	32542000
DRUMS	COUNTERWEIGHT-DOOR-MECHANICAL-PARATROOP	AIR	*	46.5736	96	-04944	65	1227	32544000
DRUMS	COUNTERWEIGHT-DOOR-MECHANICAL-FORWARD-ENTRANCE	AIR	5.90981	13.1607	200	-50763	65	1198	32546000
DRUMS	COUNTERWEIGHT-DOOR-MECHANICAL-PARATROOP	AIR	8.49858	18.9237	408	-353	63	1114	32548000
DRUMS	COUNTERWEIGHT-DOOR-MECHANICAL-PARATROOP	AIR	14.7444	27.3501	200	-39911	63	1198	32550000
DRUMS	COUNTERWEIGHT-DOOR-MECHANICAL-PARATROOP	AIR	16.7224	31.019	200	-299	63	1114	32552000
DRUMS-COUNTERBALANCE	DOOR-MECHANICAL-FORWARD-ENTRANCE	AIR	*	27.9917	152	-08226	66	1250	32554000
JACKSHAFTS	STEERING-SYSTEM	AIR	*	192.847	31	-01194	63	1114	32556000
LANYARDS	HATCH-EJECTION-SYSTEM	AIR	*	32.1502	186	-07162	63	1111	32558000
LANYARDS	LAPBELT-RETAINER-INSTRUCTOR-SEAT	AIR	3.86182	10.2768	597	-51789	67	1272	32560000
LANYARDS	LAPBELT-RETAINER-INSTRUCTOR-SEAT	AIR	11.4077	44.3725	406	-08764	64	1179	32562000
LANYARDS	LAPBELT-RETAINER-STUDENT-SEAT	AIR	11.5854	20.3365	597	-51789	67	1272	32564000
LANYARDS	LAPBELT-RETAINER-STUDENT-SEAT	AIR	34.2231	76.2126	406	-08764	64	1179	32566000
LANYARDS	LAPBELT-RETAINER-STUDENT-SEAT	AIR	35.0048	69.9531	473	-11427	65	1228	32568000
LANYARDS	LAPBELT-RETAINER-INSTRUCTOR-SEAT	AIR	35.0048	69.9531	473	-11427	65	1228	32570000
LANYARDS	LAPBELT-RETAINER-INSTRUCTOR-SEAT	AIR	1.43219	5.5708	600	-69823	65	1198	32572000
LANYARDS-SURVIVAL-EQUIPMENT	CONTROL-HYDRAULIC	AIR	10.7526	41.8247	408	-093	63	1114	32574000
LANYARDS-SURVIVAL-EQUIPMENT	PITCH-TAIL-ACTUATOR	AIR	*	27.9917	152	-08226	66	1250	32576000
LEVERS	CONTROL-THRUSTLE-ENGINE	AIR	*	6.99878	608	-329	66	1250	32578000
LEVERS	UPLOCK-INITIATOR-AIR-CHOP-SYSTEM	AIR	*	55.9834	76	-04113	66	1250	32580000A
LEVERS	INPUT-WING-FLAP-SYSTEM	AIR	*	55.9834	76	-04113	66	1250	32582000
LEVERS	CONTROL-POWER-UNIT-ALLISON-SYSTEM	AIR	*	27.9917	152	-08226	66	1250	32584000A
LEVERS	CONTROL-THRUSTLE	AIR	19.7924	24.3736	2308	-20715	67	1272	32586000
LEVERS	LOCK-INERTIA-REEL-INSTRUCTOR-SEAT	AIR	42.48	56.6148	597	-51789	67	1272	32588000
LEVERS	PYLON-PAIN-POTER	NELI	79.0513	210.367	80	-0253	66	1257	32590000

000 N.O.C.

SECTION 1 FAILURE RATE DATA

PART CLASS	III MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS RPT SRCE REF NO
PART DESCRIPTION									
.00 N.O.C.									
LEVELS	LOCK-INERTIA-REEL-STUDENT-SEAT	AIR	104.269	124.913	597		.51789	67	1272 3264000
LEVELS	PYLON-PAIN-MOTOR	MELT	276.366	374.314	80		.0637	66	1257 3254000
LEVELS	PYLON-PAIN-MOTOR	MELT	276.497	615.741	40		.01085	66	1257 3258000
LEVELS	TROOP-COOP-CARGO-COMPARTMENT	AIR		27.9917	152		.08226	66	1240 3260000
LEVELS-CLOSING	(M-PILES)	GRD	16.2074M	63.0421M	15		.0617M	66	1255 3260700
LEVELS-GEARSHIFT-MANUAL				57.565C			.040100C	63	2210 3260400
LIFTERS-BRUSH		AIR	196					57	321 3260800
LINKAGES	AILERON-OROP/DIFFERENTIAL	AIR		23.1719			.09937	63	1123 3260800
LINKAGES	BRAKES/ANTI-SKID-LANDING-GEAR	AIR		93.1472	49		.02472	65	1227 3261000
LINKAGES	PRESSURE-SEAL-AILERON-CONTROL-SYSTEM	AIR		46.5736	96		.04944	65	1227 3261200
LINKAGES	BRAKES/ANTI-SKID-LANDING-GEAR	AIR		55.9834	76		.04113	66	1250 3261400
LINKAGES	PEDAL-RUDDER-SYSTEM-FLIGHT-CONTROL	AIR		46.5736	96		.04944	65	1227 3261600
LINKAGES	ACCUMULATOR-REFUELING-SYSTEM	AIR		192.447	31		.01194	63	1111 3261800
LINKAGES	RUDDER-CONTROL	AIR		46.3393			.04469	63	1125 3262000
LINKAGES	SERVO-TAB-AILERON-CONTROL-SYSTEM	AIR		27.9917	152		.08226	66	1250 3262200
LINKAGES	PRESSURE-SEAL-AILERON-CONTROL-SYSTEM	AIR		27.9917	152		.08226	66	1250 3262400
LINKAGES	INBOARD-MAIN-LANDING-GEAR-DOOR	AIR		23.1719			.04937	63	1123 3262600
LINKAGES	CONTROL-PEDAL-RUDDER-ASSEMBLY	AIR		19.7868	100		.11637	65	1198 3262800
LINKAGES	PEDAL-RUDDER-SYSTEM-FLIGHT-CONTROL	AIR		27.9917	152		.08226	66	1250 3263000
LINKAGES	SERVO-TAB-AILERON-CONTROL-SYSTEM	AIR		46.5736	96		.04944	65	1227 3263200
LINKAGES	RAMP-LATCH-ACTUATING-DOOR-HYDRAULIC	AIR		19.7868	100		.11637	65	1198 3263400
LINKAGES	INPUT-PITCH-TRIM-ACTUATOR	AIR		55.9834	76		.04113	66	1250 3263600
LINKAGES	COORDINATOR-ENGINE-CONTROLS	AIR	2.83286	11.0189	408		.353	63	1114 3263800
LINKAGES	NTS-ENGINE-CONTROLS	AIR	4.29664	11.434	400		.46548	65	1198 3264000
LINKAGES	PEDAL-EPARE-SYSTEM-LANDING-GEAR	AIR	6.5634	14.6162	1892		.45708	65	1228 3264200
LINKAGES	THRUSTLE-CONTROL-TH-MILES	GRD	8.1103M	31.9466M	30		.1233M	66	1255 3264400
LINKAGES	NEGATOR-TORQUE-SYSTEM-ENGINE-CONTROLS	AIR	6.49850	18.9257	408		.353	63	1114 3264600
LINKAGES	CONTROL-LANDING-GEAR	AIR	11.4077	30.3576	812		.17232	64	1179 3264800
LINKAGES	RAMP-LATCH-ACTUATING-DOOR-HYDRAULIC	AIR	11.7952	45.8799	50		.08478	63	1198 3265000
LINKAGES	ENGINE-CONTROL-SYSTEM	AIR	12.158	32.3544	304		.1643	66	1250 3265200
LINKAGES	RAMP-LATCH-ACTUATING-DOOR-HYDRAULIC	AIR	13.3333	51.8626	50		.073	63	1114 3265400
LINKAGES	PEDAL-BRAKE-SYSTEM-LANDING-GEAR	AIR	14.963	19.0344	2388		2.0713	67	1272 3265600
LINKAGES	INTERCONNECT-CONTROL-LANDING-GEAR	AIR	15.4484	21.6777	1194		1.0357	67	1272 3265800
LINKAGES	NEGATOR-TORQUE-SYSTEM-ENGINE-CONTROLS	AIR	16.129	62.737	272		.062	63	1114 3266000
LINKAGES	PEDAL-BRAKE-SYSTEM	AIR	17.1115	30.0367	1624		.35084	64	1179 3266200
LINKAGES	INTERCONNECT-CONTROL-LANDING-GEAR	AIR	17.1115	30.1663	812		.17532	64	1179 3266400
LINKAGES	CONTROL-LANDING-GEAR	AIR	19.345	25.0097	1194		.10357	67	1272 3266600
LINKAGES	ENGINE-CONTROL-SYSTEM	AIR	20.245	53.8256	192		.09888	65	1227 3266800
LINKAGES	NTS-ENGINE-CONTROLS	AIR	21.6693	32.6973	200		.50763	65	1198 3267000
LINKAGES	WING-FLAP-FLIGHT-CONTROL	AIR	22.8154	45.594	612		.17532	64	1179 3267200
LINKAGES	COORDINATOR-ENGINE-CONTROLS	AIR	23.4113	35.3675	200		.299	63	1114 3267400
LINKAGES	COORDINATOR-ENGINE-CONTROLS	AIR	23.504	38.3188	200		.33912	63	1198 3267600
LINKAGES	INTERCONNECT-RODDER-SYSTEM	AIR	26.5192	52.9015	812		.17532	64	1179 3267800

# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	511 MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	TR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
LINKAGES	511 MECHANISMS, POWER TRANSMITTAL								
LINKAGES	INTERCONNECT-CONTROL-LANDING-GEAR	AIR	30.6292	51.5047	946	.22854	65	1228	32680000
LINKAGES	WING-FLAP-FLIGHT-CONTROL	AIR	30.6292	51.5047	946	.22854	65	1228	32682000
LINKAGES	NTS-ENGINE-CONTROLS	AIR	35.3057	52.4343	200	.33912	63	1198	32684000
LINKAGES	PEDAL-ROUDEF-SYSTEM	AIR	38.6212	47.4876	1194	.10357	67	1272	32686000
LINKAGES	NEGATOR-TORQUE-SYSTEM-ENGINE-CONTROLS	AIR	40.1337	55.47	200	.299	63	1114	32688000
LINKAGES	INPUT-PITCH-TRIM-ACTUATOR	AIR	40.653	157.35	48	.02672	65	1227	32690000
LINKAGES	INTERCONNECT-ROUDEF-SYSTEM	AIR	42.4833	51.9286	1194	.10357	67	1272	32692000
LINKAGES	WING-FLAP-FLIGHT-CONTROL	AIR	42.4408	52.4863	1194	.10357	67	1272	32694000
LINKAGES	CONTROL-LANDING-GEAR	AIR	43.754	67.4133	946	.22854	65	1228	32696000
LINKAGES	INTERCONNECT-ROUDEF-SYSTEM	AIR	43.756	67.4133	946	.22854	65	1228	32698000
LINKAGES	KAMP-LATCH-ACTUATING-DOOR-HYDRAULIC	AIR	47.2775	82.9887	50	.12691	63	1198	32700000
LINKAGES	COORDINATOR-ENGINE-CONTROLS	AIR	51.2184	46.6556	200	.50763	65	1198	32702000
LINKAGES	PAMP-LATCH-ACTUATING-DOOR-HYDRAULIC	AIR	60.1818	119.482	102	.088	63	1114	32704000
LINKAGES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	68.4462	120.147	406	.08766	64	1179	32706000
LINKAGES	HANDLE-RELEASE-ALTERNATE-LANDING-GEAR	AIR	69.5128	86.0486	597	.51789	67	1272	32708000
LINKAGES	PEDAL-ROUDEF-SYSTEM	AIR	83.1364	113.339	946	.22854	65	1228	32710000
LINKAGES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	96.2632	145.253	473	.11427	65	1228	32712000
LINKAGES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	108.131	129.109	597	.51789	67	1272	32714000
LINKAGES	CONTROL-ENGINE-THROTTLE	AIR	125.654	186.194	248	.0955	63	1111	32716000
LINKAGES	PEDAL-ROUDEF-SYSTEM	AIR	148.3	192.997	812	.17532	64	1179	32718000
LINKAGES	PEDAL-ROUDEF-SYSTEM-FLIGHT-CONTROL	AIR	164.14	181.479	1194	.10357	67	1272	32720000
LINKAGES	ENGINE-BUILDUP-TURBOJET-J-85	AIR	203.338	254.548	812	.17532	64	1179	32722000
LINKAGES	ENGINE-BUILDUP-TURBOJET-J-85	AIR	205.653	249.695	546	.22854	65	1228	32724000
LINKAGES	CONTROL-ENGINE-BUILDUP-TURBOJET-J-85	AIR	546.95	615.133	946	.22854	65	1228	32726000
LINKAGES	CONTROL-ENGINE-BUILDUP-TURBOJET-J-85	AIR	633.127	717.308	812	.17532	64	1179	32728000
LINKAGES	HANDLE-RELEASE-ALTERNATE-LANDING-GEAR	AIR	45.6308	91.1881	406	.08766	64	1179	32730000
LINKAGES	HANDLE-RELEASE-ALTERNATE-LANDING-GEAR	AIR	70.0096	113.719	473	.11427	65	1228	32732000
LINKAGES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	45.6308	91.1881	406	.08766	64	1179	32734000
LINKAGES	STEERING-NOSEWHEEL	AIR	68.4462	101.423	812	.17532	64	1179	32736000
LINKAGES	STEERING-NOSEWHEEL	AIR	76.2765	88.4961	1194	.10357	67	1272	32738000
LINKAGES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	78.7608	124.319	473	.11427	65	1228	32740000
LINKAGES	STEERING-NOSEWHEEL	AIR	91.8276	123.323	946	.22854	65	1228	32742000
LINKAGES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	144.818	168.693	597	.51789	67	1272	32744000
LINKAGES	DOOR-PLG-INBOARD	AIR	2.8286	11.0189	408	.353	63	1114	32746000
LINKAGES	DOOR-PLG-INBOARD	AIR	3.54605	10.5011	200	.50683	65	1198	32748000
LINKAGES	DOOR-PLG-INBOARD	AIR	8.59328	17.1727	400	.46548	65	1198	32750000
LINKAGES	STEERING-NOSEWHEEL	AIR	40.5522	45.8102	1194	.10357	67	1272	32752000
LINKAGES	STEERING-NOSEWHEEL	AIR	51.2347	81.0289	812	.17532	64	1179	32754000
LINKAGES	STEERING-NOSEWHEEL	AIR	56.8828	82.9524	946	.22854	65	1228	32756000
LINKAGES	AILERON-CONTROL	AIR	"	9.89344	200	.23274	45	1198	32758000
LINKAGES	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	"	4.94672	406	.46548	65	1198	32760000

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	ALL MECHANISMS, POWER TRANSMISSION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
LINKAGES-ROD-END-ACTUATING	LODR-LANDING-GEAR-MAIN-OUTBOARD	AIR	4.29659	8.28625	800	-93097	65	1198	32762650
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	5.89761	15.6944	200	.33912	53	1198	32764000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	6.68896	17.8003	200	.299	63	1114	32766000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	7.87975	15.7468	200	.50763	55	1198	32768000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	8.06451	31.3685	544	.124	63	1114	32770000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	8.49858	18.9257	408	.353	63	1114	32772000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	14.7442	22.7159	400	.57823	63	1198	32774000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	16.6944	25.7206	400	.599	63	1114	32776000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	23.6392	35.7285	200	.50763	65	1198	32778000
LINKAGES-ROD-END-ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	33.9943	50.3726	400	.353	63	1114	32780000
LINKAGES-STEERING	PUDDER-PEDAL	AIR	0	93.1472	48	.02672	65	1198	32782000
LINKAGES-STEERING	LANDING-GEAR	AIR	0	18.1435	50	.12691	65	1198	32784000
LINKAGES-STEERING	RUDDER-PEDAL	AIR	0	19.7868	100	.11637	65	1198	32786000
LINKAGES-STEERING	LANDING-GEAR	AIR	11.7952	45.8799	100	.08478	63	1198	32790000
LINKAGES-STEERING	LANDING-GEAR	AIR	13.3333	51.8626	50	.075	63	1114	32792000
LINKAGES-BELL-CRANK-ROD	AILERON-CONTROL	AIR	0	3.29776	400	.64823	65	1198	32794000
MAGNETIC		LAB	0	0	0	0	63	1138	32796000
MAGNETIC		LAB	9.52381	25.3442	7	.21	62	1095	32798000
POWER-TRANSFER		AIR	30	164.471	0	.014	61	1068	32800000
POWER-TRANSFER		AIR	0	1471.36	0	.028	61	1081	32804000
PULLEY	ENGINE-CONTROL	AIR	875	2.47333	800	.93097	65	1198	32806000
QUADRANTS	CONTROL-WING-FLAP-ASSEMBLY	AIR	0	27.1597	50	.08478	63	1198	32808000
QUADRANTS	RELEASE-ALTERNATE-LANDING-GEAR	AIR	0	26.2673	406	.08766	64	1179	32810000
QUADRANTS	INPUT-POWER-UNIT-WING-SPOILER-SYSTEM	AIR	0	46.5736	94	.04944	65	1227	32812000
QUADRANTS	AILERON-BOOST-CABLE	AIR	0	19.7868	100	.11637	65	1198	32814000
QUADRANTS	INPUT-POWER-UNIT-AILERON-CONTROL-SYS	AIR	0	46.5736	94	.04944	65	1227	32816000
QUADRANTS	CONTROL-ENGINE	AIR	0	18.1435	50	.12691	65	1198	32818000
QUADRANTS	CONTROL-W/SYS-AILERON-SYSTEM	AIR	0	46.5736	94	.04944	65	1227	32820000
QUADRANTS	CONTROL-WING-FLAP-ASSEMBLY	AIR	0	18.1435	50	.12691	65	1198	32822000
QUADRANTS	INPUT-PITCH-TRIM-ACTUATOR	AIR	0	93.1472	48	.02472	65	1227	32824000
QUADRANTS	WALKING-BEAR-STABILIZER-HORIZ/VERT	AIR	0	25.1503	473	.11427	65	1228	32826000
QUADRANTS	AUTO-PILOT-SERVO-AILERON-SYSTEM	AIR	0	9.89344	200	.22274	65	1198	32828000
QUADRANTS	FLIGHT-STATION-PITCH-TRIM-ACTUATOR	AIR	0	93.1472	48	.02472	65	1227	32830000
QUADRANTS	INPUT-WING-FLAP-SYSTEM	AIR	0	93.1472	48	.02472	65	1227	32832000
QUADRANTS	CONTROL-ENGINE	AIR	0	19.7868	100	.11637	65	1198	32834000
QUADRANTS	CONTROL-WING-FLAP-ASSEMBLY	AIR	0	19.7868	100	.11637	65	1198	32836000
QUADRANTS	INPUT-PILOT-WING-FLAP-SYSTEM	AIR	0	93.1472	48	.02472	65	1227	32838000
QUADRANTS	CONTROL-THRUSTLE-ENGINE-SYSTEM	AIR	0	93.1472	48	.02472	65	1227	32840000
QUADRANTS	CENTER-WING-AILERON-CONTROL-SYSTEM	AIR	0	93.1472	42	.17532	64	1179	32842000
QUADRANTS	RUDDER-SYSTEM	AIR	0	13.1336	812	.17532	64	1179	32844000
QUADRANTS	INPUT-ELEVATOR-CONTROL-SYSTEM	AIR	0	93.1472	48	.02472	65	1227	32846000
QUADRANTS	INPUT-RUDDER-CONTROL-SYSTEM	AIR	0	93.1472	48	.02472	65	1227	32848000
QUADRANTS	CONTROL-THRUSTLE-ENGINE-SYSTEM	AIR	0	93.1472	48	.02472	65	1227	32850000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTROMEC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	211 MECHANISMS, POWER TRANSMISSION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	WE	CRSSE
PART DESCRIPTION							PT DATA INDEX	NOT SEE REF NO
QUADRANTS	INPUT-ELEVATOR-CONTROL-SYSTEM	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	FLIGHT-STATION-PTCH-TRIP-ACTUATOR	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	INPUT-PILOT-WING-FLAP-SYSTEM	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	INPUT-PUTCH-TRIP-ACTUATOR	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	CENTER-WING-AILERON-CONTROL-SYSTEM	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	INPUT-RUDDER-CONTROL-SYSTEM	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	CONTROL-WING-AILERON-SYSTEM	AIR		0	27.9817	152	08226	64 1250 32918000
QUADRANTS	INPUT-WING-FLAP-SYSTEM	AIR		0	55.9834	76	04113	64 1250 32918000
QUADRANTS	INPUT-POWER-UNIT	AIR		0	27.9817	152	08226	64 1250 32918000
QUADRANTS	AILERON-CONTROL-SYSTEM	AIR		0	27.9817	152	08226	64 1250 32918000
QUADRANTS	WALKING-BEAM-STABILIZER-HORIZONTAL	AIR		7.7364	15.4348	597	51789	67 1272 32918000
QUADRANTS	SENG-VALVE-STABILIZER-HORIZONTAL	AIR		9.6223	14.8755	1194	10357	67 1272 32918000
QUADRANTS	AILERON-FLIGHT-CONTROL-SYSTEM	AIR		11.4811	30.3516	812	17532	64 1179 32918000
QUADRANTS	AFT-STABILIZER-HORIZONTAL	AIR		11.4077	44.3725	406	08766	64 1179 32918000
QUADRANTS	WALKING-BEAM-STABILIZER-HORIZONTAL	AIR		11.4077	44.3725	406	08766	64 1179 32918000
QUADRANTS	CONTROL-ENGINE	AIR		11.7952	45.8741	50	08478	63 1198 32918000
QUADRANTS	RUDDER-SYSTEM	AIR		13.1268	29.2325	946	22854	65 1228 32918000
QUADRANTS	SERVO-VALVE-STABILIZER-HORIZONTAL	AIR		13.1268	29.2325	946	22854	65 1228 32918000
QUADRANTS	CONTROL-ENGINE	AIR		13.3353	51.8625	50	075	63 1114 32918000
QUADRANTS	AFT-STABILIZER-HORIZONTAL	AIR		17.5024	44.3765	473	11427	65 1228 32918000
QUADRANTS	AILERON-FLIGHT-CONTROL-SYSTEM	AIR		20.2761	27.2128	1194	10357	67 1272 32918000
QUADRANTS	RELEASE-ALTERNATE-LANDING-GEAR	AIR		23.1709	34.3344	597	51789	67 1272 32918000
QUADRANTS	CENTER-DRIVE-WING-SPOILER-SYSTEM	AIR		24.3131	94.5708	76	04113	64 1250 32918000
QUADRANTS	AILERON-FLIGHT-CONTROL-SYSTEM	AIR		26.2536	46.0942	946	22854	65 1228 32918000
QUADRANTS	AFT-STABILIZER-HORIZONTAL	AIR		27.0327	38.8653	597	51789	67 1272 32918000
QUADRANTS	SERVO-VALVE-STABILIZER-HORIZONTAL	AIR		28.5192	52.9015	812	17532	64 1179 32918000
QUADRANTS	CONTROL-THROTTLE-AFT-SECTION	AIR		28.5192	52.9015	812	17532	64 1179 32918000
QUADRANTS	CONTROL-WING-FLAP-FLIGHT-CONTROL	AIR		28.9659	36.9944	1194	10357	67 1272 32918000
QUADRANTS	RELEASE-ALTERNATE-LANDING-GEAR	AIR		35.0048	69.9531	473	11427	65 1228 32918000
QUADRANTS	CONTROL-THROTTLE-AFT-SECTION	AIR		39.3804	67.1597	946	22854	65 1228 32918000
QUADRANTS	CONTROL-WING-FLAP-FLIGHT	AIR		39.9269	67.1597	946	22854	65 1228 32918000
QUADRANTS	CENTER-DRIVE-WING-SPOILER-SYSTEM	AIR		40.453	157.35	48	02472	65 1227 32918000
QUADRANTS	CONTROL-STICK-STABILIZER-HORIZONTAL	AIR		43.754	81.1647	473	11427	65 1228 32918000
QUADRANTS	CONTROL-STICK-STABILIZER-HORIZONTAL	AIR		44.4109	58.8924	597	51789	67 1272 32918000
QUADRANTS	CONTROL-STICK-AILERON-SYSTEM	AIR		45.6308	91.1881	406	08766	64 1179 32918000
QUADRANTS	INPUT-POWER-UNIT-WING-SPOILER-SYSTEM	AIR		48.6263	97.1742	152	08226	64 1250 32918000
QUADRANTS	WING-SPOILER-SYSTEM	AIR		51.1221	59.1449	2944	1404	64 1250 32918000
QUADRANTS	CONTROL-STICK-AILERON-SYSTEM	AIR		51.8625	92.2876	1872	94406	65 1227 32918000
QUADRANTS	CONTROL-STICK-AILERON-SYSTEM	AIR		63.72	80.4301	597	51789	67 1272 32918000
QUADRANTS	CONTROL-WING-FLAP-FLIGHT-CONTROL	AIR		70.8994	113.719	473	11427	65 1228 32918000
QUADRANTS	AFT-SECTION-THROTTLE-CONTROL	AIR		78.7608	108.323	946	22854	65 1228 32918000
QUADRANTS	CONTROL-STICK-STABILIZER-HORIZONTAL	AIR		81.1845	93.6446	1194	10357	67 1272 32918000
QUADRANTS	CONTROL-THROTTLE-CONTROL	AIR		91.2616	148.239	406	08766	64 1179 32918000
QUADRANTS	CONTROL-THROTTLE-CONTROL	AIR		131.189	173.781	812	17532	64 1179 32918000
QUADRANTS	CONTROL-THROTTLE-CONTROL	AIR		131.268	167.651	946	22854	65 1228 32918000

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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1968  
SECTION I FAILURE RATE DATA

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								
2.1 M.O.C.								
QUADRANTS	CONTROL, THROTTLE, COCKPIT	AIR	207.589	228.934	1194	1,0257	67	1272 32940000A
QUADRANTS	CONTROL, ENGINE	AIR	342.121	475.067		.04969	63	1123 32940000A
ROPE-ESCAPE	EVACUATION-EQUIPMENT	AIR		6.95818	608	.329	64	1250 32944000
ROPE-ESCAPE		AIR		96.4641	62	.02387	63	1111 32944000
ROPE-ESCAPE	EVACUATION-EQUIPMENT	AIR		11.6434	384	.19776	65	1227 32944000
ROPE-ESCAPE-EQUIPMENT		AIR		6.59562	300	.34911	65	1198 32950000
SLIP		GRD		79.4	27	.029	65	1123 32952000
SLIP		LAB					63	1138 32954000
STARTER	AUX-POWER-UNIT	AIR	1213.59	1549.96	48	.02472	65	1227 32954000
STICKS-CO-PILOT	COLLECTIVE-FLIGHT-CONTROL	MELI	133.333	266.451	120	.03	65	1215 32958000
STICKS-MAND	FLIGHT-CONTROL-ARMAMENT-SYSTEM	AIR	8988.76	11829	36	.00267	66	1256 32960000A
STICKS-PILOT	COLLECTIVE-FLIGHT-CONTROL	MELI	39.5256	153.743	80	.3293	66	1257 32962000
STICKS-PILOT	COLLECTIVE-FLIGHT-CONTROL	MELI	27.8934	113.513	89	.0692	66	1257 32964000
STICKS-PILOT	COLLECTIVE-FLIGHT-CONTROL	MELI	73.5294	286.007	40	.0136	66	1257 32964000
STICKS-PILOT	CYCLIC-FLIGHT-CONTROL	MELI	133.533	266.451	120	.03	65	1215 32968000
STICKS-PILOT	COLLECTIVE-FLIGHT-CONTROL	MELI	233.333	352.363	120	.03	65	1215 32970000
2.5 ARP								
ACTUATOR-DOOR-LANDING-GEAR-NOSE		AIR		46.5736	96	.04944	65	1227 32972000
WINDSHIELD-WIPER-SYSTEM		AIR		9.89344	200	.23274	65	1198 32974000
DOOR-MECHANICAL-FORWARD-ENTRANCE		AIR		55.9834	76	.04113	64	1250 32976000
ACTUATOR-DOOR-MAIN-LANDING-GEAR-INGARD		AIR		5.85344	200	.23274	65	1198 32978000
ACTUATOR-DOOR-HYDRAULIC-FORWARD-CARGO		AIR		114	100	.01282	65	1198 32980000
DOOR-MECHANICAL-FORWARD-ENTRANCE		AIR		93.1472	48	.02472	65	1227 32982000
ACTUATOR-DOOR-LANDING-GEAR-NOSE		AIR		27.9917	132	.08226	64	1250 32984000
ADS-DOOR-HYDRAULIC-RAMP		AIR	3.9348	15.3246	100	.25342	65	1198 32986000
ADS-DOOR-HYDRAULIC-RAMP		AIR	5.68181	22.1803	204	.176	63	1114 32988000
WINDSHIELD-WIPER-SYSTEM		AIR	5.68181	22.1803	204	.176	63	1114 32990000
WINDSHIELD-WIPER-SYSTEM		AIR	7.8794	20.9687	100	.25382	65	1198 32992000
ADS-DOOR-HYDRAULIC-RAMP		AIR	12.0499	28.7049	200	.23274	65	1198 32994000
FORCE-PRODUCER-RUDDER-SYSTEM		AIR	21.24	32.0495	597	.51789	67	1272 32996000
DOOR-NOSE-LANDING-GEAR-AFT		AIR	24.3131	64.7009	152	.08226	64	1250 32998000
ADS-DOOR-HYDRAULIC-RAMP		AIR	26.8456	53.6479	100	.149	65	1114 33000000
ADS-DOOR-HYDRAULIC-RAMP		AIR	29.488	54.896	100	.10254	63	1198 33002000
DOOR-NOSE-LANDING-GEAR-AFT		AIR	60.6796	135.129	96	.04944	65	1227 33004000
WINDSHIELD-WIPER-SYSTEM		MELI	103	175.535	240	.06	65	1215 33006000
WINDSHIELD-WIPER-SYSTEM		AIR	117.952	159.501	100	.16956	63	1198 33008000
WINDSHIELD-WIPER-SYSTEM		AIR	120.805	146.145	100	.149	63	1114 33010000
ACTUATOR-DOOR-HYDRAULIC-FORWARD-CARGO		AIR	165.471	203.248	100	.25382	65	1198 33012000
ACTUATOR-DOOR-HYDRAULIC-FORWARD-CARGO		AIR	181.818	230.356	204	.176	63	1114 33014000

HOME AIR DEVELOPMENT CENTER, GRIPPLISS AFB, D.V.  
SECTION I FAILURE RATE DATA

NOISE/ECTRONIC PART FAILURE RATE DATA

JANUARY 1949

PART CLASS	311 MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART TYPE-LABEL	PAR HOUR	VR	CROSS OF DATA INDEX	RT SACE REF NO
05	ARM									
	ACTUATOR-DOOR-HYDRAULIC-FORWARD-CABLE	AIR		590.395	630.781	180	.149	63	1114	33010000
	ACTUATOR-DOOR-HYDRAULIC-FORWARD-CABLE	AIR		572.666	653.936	180	.16956	63	1190	33010000
	ANTI-SKID									
	LANDING-GEAR-MAIN	AIR		0	24.1184	248	.0495	63	1111	33050000
	WINDSHIELD-WIPER-SYSTEM	MEL		73.2847	124.827	88	.0492	64	1251	33020000
	WINDSHIELD-WIPER-SYSTEM	MEL		116.377	264.863	88	.0355	64	1251	33020000
	WINDSHIELD-WIPER-SYSTEM	MEL		185.281	420.234	48	.01085	64	1251	33020000
	SAUTOP-VALVE-ENGINE-CONTROL	AIR		0	13.9475	304	.1645	64	1250	33030000
	SAUTOP-VALVE-ENGINE-CONTROL	AIR		0	23.2044	152	.07009	65	1271	33030000
	RUDDER-SYSTEM	AIR		11.4077	44.3723	400	.08706	64	1174	33030000
	RUDDER-SYSTEM	AIR		20.2324	33.4232	100	.11427	65	1228	33030000
	ACTUATING-CYLINDER-LAND-GEAR-NOSE	AIR		8.59328	33.4232	100	.11437	65	1146	33030000
	ACTUATING-CYLINDER-LAND-GEAR-NOSE	AIR		8.59328	33.4232	100	.11437	65	1146	33030000
	ACTUATING-CYLINDER-LAND-GEAR-NOSE	AIR		44.6444	234.313	68	.015	63	1114	33040000
	CONTROL-ALT-RELEASE-LAND-GEAR	AIR		2.72273	12.9	297	.51705	67	1272	33010000
	CONTROL-ALT-RELEASE-LAND-GEAR	AIR		17.3624	46.5765	473	.11427	65	1228	33040000
	CANOPY-INSTRUCTOR	AIR		1.23091	7.51064	297	.51705	67	1272	33040000
	CANOPY-STUDENT	AIR		11.4077	44.3723	400	.08706	64	1174	33040000
	CANOPY-STUDENT	AIR		13.2143	23.7205	297	.51705	67	1272	33050000
	CANOPY-INSTRUCTOR	AIR		17.3624	46.5765	473	.11427	65	1228	33050000
	RUDDER-SYSTEM	AIR		17.3624	46.5765	473	.11427	65	1228	33050000
	RUDDER-SYSTEM	AIR		34.2231	76.2126	400	.08706	64	1174	33050000
	RUDDER-SYSTEM	AIR		20.5128	66.8406	597	.51705	67	1272	33060000
	LANDING-GEAR-MAIN	AIR		0	48.2319	124	.04773	63	1111	33060000
	POSITION-CLEAR-VISION-WINDSHIELD	AIR		0	27.9917	152	.04226	64	1250	33060000
	PANEL-MONITOR-CONTROL	AIR		640.414	1023.48		.01308	64	1241	33060000
	CLEAR-VISION-WINDSHIELD	AIR		0	46.5736	94	.04944	65	1227	33060000
	ALTERNATE-LANDING-GEAR	AIR		5.79273	12.9	297	.11427	65	1228	33070000
	ALTERNATE-LANDING-GEAR	AIR		11.4077	44.3723	400	.51705	67	1272	33070000
	CONTROL-ALT-RELEASE-LAND-GEAR	AIR		11.5054	20.3345	597	.51705	67	1272	33070000
	CONTROL-ALT-RELEASE-LAND-GEAR	AIR		28.2334	58.465	473	.11427	65	1228	33070000
	DOOR-MECHANICAL-PARATROOP	AIR		0	9.07178	100	.25382	65	1198	33080000
	DOOR-MECHANICAL-PARATROOP	AIR		2.14832	6.35232	400	.49548	65	1198	33080000
	DOOR-MECHANICAL-PARATROOP	AIR		17.6428	39.4008	100	.16956	63	1190	33090000
	DOOR-MECHANICAL-PARATROOP	AIR		20.1242	44.8273	100	.159	63	1114	33090000
	DOOR-MECHANICAL-PARATROOP	AIR		9.163728	21.50528	60	.24488	64	1255	33090000
	BELLCRANK-LANDING-GEAR-MAIN	GRO		0	19.5531	1194	.10357	67	1272	33090000
	LANDING-GEAR-MAIN	AIR		0	10.0752	946	.22854	65	1228	33090000
	DOOR-MECHANICAL-PARATROOP	AIR		16.22848	43.16548	30	.12334	64	1255	33090000
	DOOR-MECHANICAL-PARATROOP	AIR		0	94.441	62	.02367	63	1111	33090000
	LANDING-GEAR-MAIN	AIR		2.70283	22.1062	812	.17332	64	1172	33090000
	LANDING-GEAR-MAIN	AIR		12.1565	47.2854	152	.08226	64	1250	33100000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	511 MECHANISMS, POWER TRANSMITTAL	UPPER PART	YR	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	OF DATA	INDEX
		LIMIT	RPT	REF NO
.05 ARM				
TORQUE	LANDING-GEAR-MAIN	17.3795	23.9029	1.0357
TORQUE	LOWER-MAIN-LANDING-GEAR	20.2285	78.6751	.04944
TORQUE	LANDING-GEAR-MAIN	21.878	40.5823	.22854
TORQUE	UPPER-MAIN-LANDING-GEAR	24.3131	64.7009	.08226
TORQUE	UPPER-MAIN-LANDING-GEAR	60.6796	135.129	.04944
TORQUE	LANDING-GEAR-NOSE	91.2616	148.234	.08766
TORQUE	LANDING-GEAR-NOSE	208.907	234.822	.51789
TORQUE	LANDING-GEAR-NOSE	245.033	315.743	.11427
TORQUE-TUBE	WING-FLAP-FLIGHT-CONTROL	8.7512	23.2882	.22854
TORQUE-TUBE	WING-FLAP-FLIGHT-CONTROL	16.414	22.7924	1.0357
TORQUE-TUBE-TO-STRAUT	DOOR-PLG-OUTBOARD	4.29664	16.7126	.23274
TORQUE-TUBE-TO-STRAUT	DOOR-PLG-OUTBOARD	32.258	125.474	.031
TORQUE	LANDING-GEAR-NOSE	9.09344	200	.23274
WING-FLAP	FLIGHT-CONTROL	22.6154	45.594	.17532
WING-FLAP	FLIGHT-CONTROL	24.1302	31.5834	1.0357
WING-FLAP	FLIGHT-CONTROL	35.0048	56.8596	.22854
.10 SHAFTS				
PROP. REDUCTION-GEAR-SYSTEM	AIR	4.3398	200	.50763
PROP. REDUCTION-GEAR-SYSTEM	AIR	6.78992	200	.33912
COMPRESSOR/TURBINE-AUX-POWER-UNIT	AIR	93.1472	48	.02472
CONTROL-WINGFOLD	AIR	40.3486		.94968
COMPRESSOR/TURBINE.	AIR	55.9834	76	.04113
AUXILIARY-POWER-UNIT				
AILERON-BOOST-CABLE-QUADRANT	AIR	19.7848	100	.11637
ROTOR, TURBINE-SECTION, BASIC-ENGINE	AIR	4.94672	400	.46548
ROTOR, TURBINE-SECTION, BASIC-ENGINE	AIR	4.93598	200	.50763
GEAR-SPUR	GRD	468.961		.00491
ACTUATOR, RUDDER-TRIM-TAB-ASSEMBLY	AIR	19.7868	100	.11637
PROP. REDUCTION-GEAR-SYSTEM	AIR	18.1435	50	.12691
ACTUATOR, AILERON-TRIM-TAB	AIR	16.1435	50	.12691
ACTUATOR, AILERON-TRIM-TAB	AIR	15.7868	100	.11637
ACTUATOR, RUDDER-TRIM-TAB-ASSEMBLY	AIR	27.1597	50	.08478
STARTER, REDUCTION-GEAR	LAB	.35		
STARTER, REDUCTION-GEAR	AIR	1.00275	2.66048	1.714
STARTER, REDUCTION-GEAR	GRD	1.05885	2.81246	
STARTER	GRD	1.38494	2.76755	
ROTOR, TURBINE-SECTION, BASIC-ENGINE	AIR	2.63754	10.2592	400
ROTOR, TURBINE-SECTION, BASIC-ENGINE	AIR	2.9488	11.4899	200
STARTER, REDUCTION-GEAR	AIR	3.34448	13.009	200
STARTER, REDUCTION-GEAR	AIR	3.58159	9.53118	200
STARTER, REDUCTION-GEAR	AIR	5.847	13.0075	528
STARTER, REDUCTION-GEAR	AIR	6.19179	18.2523	244

# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

MECHANISM PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	-11 MECHANISMS, POWER TRANSMITTAL										
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART LATION	PART HOURS	VR	CRCS	OF DATA INDEX	APT SINCE REF NO	
-10 SHAFTS											
ACTUATOR-AILERON-TRIM-TAB		AIR	11.7952	45.8799	50	-0.0478	63	1100	33184000		
GEAR-SCAVENGE-PUMP-DIFFUSER, POWER SECTION		AIR	14.5839	32.4767	248	-0.0571	65	1201	33184000		
GEARBOX-ACCESSORY-DRIVE		AIR	12	22.7924	1194	1.0357	61	1048	33184000		
DOWN-LOCK-EMERGENCY, MAIN-LANDING-GEAR		AIR	29.3131	84.7889	132	-0.0228	66	1258	33192000		
GEARBOX-ACCESSORY-DRIVE		AIR	30.6292	51.5947	946	-0.2854	65	1228	33194000		
DOWN-LOCK-EMERGENCY-MAIN-LANDING-GEAR		AIR	40.453	107.051	94	-0.0444	65	1227	33194000		
ENCODER-POST-OPTICAL		AIR	67.4127	125.044	15	-0.7417	64	1180	33194000		
BLWBR-ENGINE-(M-MILES)		GRD	81.0372	150.3152	15	-0.0617	64	1253	33206000		
GEARBOX-ACCESSORY-DRIVE		AIR	136.892	100.148	812	-1.7532	64	1179	33208000		
NAVIGATIONAL-COMPUTER		AIR	178.21	1555.14		-0.0514	65	1188	33204000		
ELECTRICAL-POWER-707-331		AIR	170P				65	2342	33204000		
ELECTRICAL-POWER-707-331		AIR	31CP				66	2342	33208000		
ELECTRICAL-POWER-707-331		AIR	340P				66	2342	33208000		
ELECTRICAL-POWER-707-131		AIR	340P				66	2342	33210000		
ELECTRICAL-POWER-707-131		AIR	490P				66	2342	33212000		
ELECTRICAL-POWER-707-131		AIR	600P				65	2342	33214000		
COMPRESSOR/MIDFRAME-ENGINE		AIR	0	4.94672	400	-0.0540	65	1198	33218000		
COMPRESSOR/MIDFRAME-ENGINE		AIR	0	4.53596	200	-0.0763	65	1198	33220000		
SCAVENGE-PUMP-TURBINE-REAR		AIR	0	6.78992	200	-0.3912	63	1198	33220000		
POWER-OUTPLY-AUXILIARY-POWER-UNIT		AIR	0	11.1934	240	-0.0571	65	1201	33224000		
TACHOMETER-REDUCTION-GEAR		AIR	0	25.9834	74	-0.0413	66	1258	33226000		
MAIN-ACCESSORY-POWER-SECTION		AIR	0.895415	3.48269	1416	1.1140	65	1201	33228000		
GENERATOR-REDUCTION-GEAR		AIR	1.00279	2.44248	1716	1.9945	65	1201	33230000		
ALTERNATOR-REDUCTION-GEAR		AIR	1.74079	6.96567	708	-0.5841	65	1201	33232000		
GEAR-MAIN-FRAME-TURBOJET-J-85		AIR	1.947	7.57325	528	-0.5161	63	1201	33234000		
TAIL-ROTOR		AIR	4.3734	17.0197	946	-0.2854	65	1228	33236000		
TRANSFER-CASE-GENERATOR-(M-MILES)		MELI	13.1278	51.1802	240	-0.74	66	1257	33238000		
TAIL-ROTOR		GRD	16.2074	63.0421	15	-0.0617	66	1255	33240000		
QUILL-RAT-EMERGENCY-GENERATOR		MELI	28.085	53.58	200	-0.1731	66	1257	33242000		
		AIR	543.478	1210.28	57	-0.0552	65	1247	33244000		
		AIR	6090	9252.1	20	-0.03	66	1257	33246000		
		MELI	147.058	572.014	40	-0.2068	66	1257	33248000		
		MELI	236.779	527.292	40	-0.1267	66	1257	33250000		
		MELI	570.934	781.65	40	-0.346	66	1257	33252000		
		MELI	5370.37	6886.61	26	-0.034	66	1257	33254000		
		AIR	0	93.1472	48	-0.02472	65	1227	33256000		
		MELI	423.333	631.931	120	-0.03	65	1215	33258000		
JX-POWER-UNIT		MELI									
BLOWER-TRANSMISSION-OIL-COOL		MELI									
ENGINE		MELI	166.664	309.156	120	-0.03	65	1215	33260000		
DRIVE-600RPM-1400LB-IN-TORQUE		MELI	933.333	1202.66	120	-0.03	65	1215	33262000		
DRIVE-600RPM-1400LB-IN-TORQUE		MELI									

# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	511 MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION						LATION		RPT SRCE	REF NO
-IC SHAFTS									
ECCENTRIC	LANDING-GEAR-MAIN		AIR	0	48.2219	124	.0475	93	1111 33264000
ENGINE-POWER	TURBOJET-J-85		AIR	19.6347	52.2511	812	.10186	64	1179 33264000
ENGINE-POWER	ACCESSORIES-SECT. TURBOJET		AIR	56.8828	82.9524	946	.22854	65	1228 33268000
EXTENSION	TORQUEMETER-BASIC-ENGINE		AIR	1.96993	7.66247	200	.50763	65	1198 33270000
EXTENSION	TORQUEMETER-BASIC-ENGINE		AIR	3.34448	13.009	200	.299	63	1114 33272000
EXTENSION	TORQUEMETER-BASIC-ENGINE		AIR	4.29664	11.434	400	.46548	65	1198 33274000
EXTENSION	TORQUEMETER-BASIC-ENGINE		AIR	25.4957	40.2436	408	.353	62	1114 33276000
EXTENSION	TORQUEMETER-BASIC-ENGINE		AIR	35.3857	52.4343	200	.33912	63	1198 33278000
EXTENSION	PROPELLER-POWER-PLANT		AIR	115.756	151.461	126	.21557	65	1153 33280000
EXTENSION	PROPELLER		AIR	231.481	279.349		.216	63	2109 33282000
FEEDBACK-BETA	HYDROMATIC-PROPELLER		AIR	16.7224	31.019	200	.299	63	1114 33284000
FEEDBACK-BETA	PROPELLER-ASSEMBLY		AIR	0	4.94672	400	.46545	65	1198 33286000
FEEDBACK-BETA	PROPELLER-ASSEMBLY		AIR	0	6.23598	200	.50763	65	1198 33288000
FEEDBACK-BETA	PROPELLER-ASSEMBLY		AIR	14.744	27.3493	200	.33912	63	1198 33290000
FLEXIBLE	INBOARD-ELEVATOR-TRIM-TAB-ASBLY		AIR	0	9.07214	100	.25381	65	1198 33292000
FLEXIBLE	OUTBOARD-ELEVATOR-TRIM-TAB-ASBLY		AIR	0	13.5798	100	.16956	63	1198 33294000
FLEXIBLE	INBOARD-ELEVATOR-TRIM-TAB-ASBLY		AIR	0	13.5798	100	.16956	63	1198 33296000
FLEXIBLE	OUTBOARD-ELEVATOR-TRIM-TAB-ASBLY		AIR	0	9.07176	100	.25382	65	1198 33298000
FLEXIBLE	GEAR-ACDR-BA-1328/SPU-68-MX-2128		AIR	0	110.224	100	.02089	63	1198 33300000
FLEXIBLE	OUTBOARD-ELEVATOR-TRIM-TAB-ASBLY		AIR	0	9.89344	200	.23274	65	1198 33302000
FLEXIBLE	INBOARD-ELEVATOR-TRIM-TAB-ASBLY		AIR	0	9.89344	200	.23274	65	1198 33304000
FLEXIBLE	NOZZLE-ACTUATOR-AFTERBURNER		AIR	5.71428	22.2268	1600	.175	61	1090 33306000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	116.684	135.247	2838	.68561	66	1228 33308000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	110P				66	2364 33310000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	17CP				66	2364 33312000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	26CP				65	2361 33314000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	28CP				66	2361 33316000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	35CP				66	2361 33318000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	39CP				65	2364 33320000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	35CP				66	2364 33322000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	42CP				66	2364 33324000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	48CP				65	2364 33326000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	57CP				66	2361 33328000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	58CP				65	2361 33330000
INPUT-CONSTANT-SPEED-ORIVE	ELECTRICAL-POWER-707-131		AIR	66CP				66	2361 33332000
OUTPUT	WING-FLAP-SYSTEM		AIR	0	27.9917	152	.08226	66	1290 33334000
OUTPUT	WING-FLAP-SYSTEM		AIR	0	46.5736	96	.04944	65	1227 33336000
PIVOT	STABILIZER-VERTICAL-EMPEMAGE		AIR	0	46.5736	96	.04944	65	1227 33338000
PIVOT	STABILIZER-VERTICAL-EMPEMAGE		AIR	0	27.9917	152	.08226	66	1290 33340000
POWER	COMPRESSOR-TURBOJET-J-85		AIR	4.3736	17.0197	946	.22854	65	1228 33342000
POWER	COMPRESSOR-TURBOJET-J-85		AIR	19.6347	52.2511	812	.10186	64	1179 33344000
QUILL	GEARBOX-ENG-ACCESSORY-DRIVE		AIR	5.70385	22.1862	812	.17932	64	1179 33346000
QUILL	GEARBOX-ENG-ACCESSORY-DRIVE		AIR	8.7512	23.2882	946	.22854	65	1228 33348000
QUILL	GEARBOX-ENG-ACCESSORY-DRIVE		AIR	10.6208	16.026	1194	1.0357	67	1272 33350000
QUILL	CONTROL-TAIL-ROTOR		HELI	28.9017	112.419	40	.0246	66	1257 33352000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP. LIMIT	PART HOURS	DATA INDEX
-10 SHAFTS						
QUILL	ENGINE-ENG-ACCESSORY-DRIVE	AIR	29.9314	36.0707	1194	67 1272 33354000
QUILL	ENGINE-ENG-ACCESSORY-DRIVE	AIR	34.2231	69.0735	812	64 1179 33354000
QUILL	ENGINE-ENG-ACCESSORY-DRIVE	AIR	48.1316	12.6268	946	63 1228 33356000
QUILL	CONTROL-TAIL-ROTOR	MELI	78.9265	307	40	64 1257 33360000
QUILL	PROGRAM-TIMER-FLIGHT-CONTROL-SYSTEM	GRD	253.164	673.708		62 1135 33362000
QUILL	CONTROL-TAIL-MOTOR	MELI	370.37	985.611	20	66 1257 33364000
STUD	LANDING-GEAR-EMERGENCY	AIR	12.8896	26.7049	200	65 1198 33366000
TORQUE	STEERING-NOSEMHEEL	AIR		16.0752	946	65 1228 33368000
TORQUE	STEERING-NOSEMHEEL	AIR	13.5174	19.4341	1194	67 1272 33370000
TORQUE-HORIZONTAL		AIR		9.07178	107	65 1198 33372000
TORQUE-HORIZONTAL		AIR		9.89344	200	65 1198 33374000
TORQUE-HORIZONTAL		AIR		13.5798	100	63 1198 33376000
TORQUE-VERTICAL		AIR		6.78992	200	63 1198 33378000
TORQUE-VERTICAL		AIR		4.94353	400	65 1196 33380000
TORQUE-VERTICAL		AIR		4.53598	200	65 1196 33382000
-11 AXLE						
NOSE-LANDING-GEAR		AIR		93.1472	48	65 1227 33384000
NOSE-LANDING-GEAR		AIR		55.9834	76	66 1250 33386000
MAIN-LANDING-GEAR		AIR		13.9975	304	66 1250 33388000
MAIN-LANDING-GEAR		AIR	10.1132	39.3375	192	65 1227 33390000
NOSE-LANDING-GEAR		AIR	14.4927	30.5675		59 1070 33392000
NOSE-LANDING-GEAR		AIR	123.628	200.814		63 1123 33394000
-12 BELL-CRANK						
CANOPY-RELEASE		AIR		23.1719		63 1122 33396000
CONTROL-LANDING-GEAR		AIR		10.0752	946	65 1228 33398000
LANDING-GEAR-UPOR-NOSE-FORWARD		AIR		46.5736	96	65 1227 33400000
RELEASE-EMERGENCY-MLG		AIR		2.452	800	65 1198 33402000
RELEASE-EMERGENCY-MLG		AIR		46.5736	96	65 1227 33404000
AILERON-SYSTEM		AIR		6.78992	200	65 1198 33406000
AILERON-SYSTEM-FLIGHT-CONTROL		AIR		13.9975	304	66 1250 33408000
DOWN-LOCK-EMERGENCY		AIR		46.5736	96	65 1227 33410000
-13 BELL-CRANK						
AILERON-SYSTEM-FLIGHT-CONTROL		AIR		23.2668	192	64 1179 33412000
LANDING-GEAR-UPOR-MAIN-BOARD		AIR		46.5736	96	65 1227 33414000
INTERCONNECT-BRAKE-LANDING-GEAR		AIR		13.5798	100	63 1198 33416000
DOOR-MECHANICAL-PERSONNEL-CARGO-CP		AIR		15.5245	288	65 1227 33418000
RELEASE-EMERGENCY-MAIN-LANDING-GEAR		AIR		27.9917	152	66 1250 33420000
LANDING-GEAR-DOOR-NOSE-FORWARD		AIR		27.9917	152	66 1250 33422000
STEERING-NOSEMHEEL		AIR		20.1505	473	65 1228 33424000
LANDING-GEAR-DOOR-MAIN-BOARD		AIR		27.9917	152	66 1250 33426000
INTERCONNECT-BRAKE-LANDING-GEAR		AIR		9.07178	100	65 1198 33428000

HOME AIR DEVELOPMENT CENTER, GRIFESS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATE INDEX	CROSS RPT SRCE REF NO
PART DESCRIPTION								
12 BELL-CRANK								
1011-11-ELEVATOR-CONTROL-SYSTEM	AIR	0.04113	52.9034	74	0.04113	66	1250	33438500
1011-11-LOCK-EMERGENCY	AIR	0.08226	27.9917	152	0.08226	66	1250	33438500
1011-11-PAIR-LANDING-GEAR								
1011-11-DECK-MECHANICAL-PERSONNEL-CAPCOM-COMPARTMENT	AIR	0.2468	5.32982	456	0.2468	66	1250	33438500
1011-11-LOCK-EMERGENCY-SIDE-EXIT	AIR	0.1445	13.9975	304	0.1445	66	1250	33438500
1011-11-BRAKE/ANTI-SKID-LANDING-GEAR	AIR	0.02472	53.1472	48	0.02472	65	1227	33438500
1011-11-LANDING-GEAR-MAIN	AIR	0.22854	17.772	946	0.22854	65	1228	33438500
1011-11-LOCK-EMERGENCY-SIDE-EXIT	AIR	0.09888	23.2868	192	0.09888	65	1227	33438500
1011-11-INTERCONNECT-PHASE-LANDING-GEAR	AIR	0.23274	9.49344	200	0.23274	65	1198	33438500
1011-11-CLAF-CENTER-SECTION-WING	AIR	0.09937	23.1719		0.09937	63	1123	33438500
1011-11-TAKEOFF-ASSIST-SYSTEM	AIR	0.67823	3.3951	400	0.67823	63	1198	33438500
1011-11-ELEVATOR-CONTROL-SYSTEM	AIR	0.2472	93.1472	48	0.2472	65	1227	33438500
1011-11-TAKEOFF-ASSIST-SYSTEM	AIR	1.3153	2.2679	400	1.3153	65	1198	33438500
1011-11-BRAKE/ANTI-SKID-LANDING-GEAR	AIR	0.04113	55.9834	76	0.04113	66	1250	33438500
1011-11-LANDING-GEAR-MAIN	AIR	1.93106	5.13884	1194	1.93106	67	1272	33438500
1011-11-STEERING-NOSEWHEEL	AIR	1.93106	5.13884	1194	1.93106	67	1272	33438500
1011-11-CONTROL-LANDING-GEAR	AIR	2.49659	6.45051	1194	2.49659	67	1272	33438500
1011-11-AILERON-SYSTEM-FLIGHT-CONTROL	AIR	4.3156	11.0157	946	4.3156	62	1227	33438500
1011-11-LANDING-GEAR-MAIN	AIR	4.69027	18.0103	126	4.69027	64	1155	33438500
1011-11-LANDING-GEAR-MAIN	AIR	5.70385	22.1862	812	5.70385	64	1179	33438500
1011-11-AILERON-SYSTEM-FLIGHT-CONTROL	AIR	5.70385	22.1862	812	5.70385	65	1158	33438500
1011-11-POWDER-SYSTEM	AIR	8.7512	23.2882	946	8.7512	65	1228	33438500
1011-11-MAIN-LANDING-GEAR	AIR	9.25925	24.6402		9.25925	63	2101	33438500
1011-11-THROTTLE-CONTROL	AIR	9.6533	14.8752	1194	9.6533	67	1272	33438500
1011-11-MULTI-CONTROL	AIR	11.5863	17.1686	1194	11.5863	67	1272	33438500
1011-11-AILERON-SYSTEM-FLIGHT-CONTROL	AIR	11.5863	17.1686	1194	11.5863	67	1272	33438500
1011-11-CONTROL-ELEVATOR-SYNCHRONIZED	HELL	13.1578	51.1802	240	13.1578	66	1257	33438500
1011-11-CYCLE-CONTROL	HELL	14.4508	56.2095	60	14.4508	66	1257	33438500
1011-11-AILERON-SYSTEM	AIR	15.7595	25.5987	200	15.7595	63	1198	33438500
1011-11-CONTROL-TAIL-ROTOR	HELL	15.7572	51.4426	200	15.7572	66	1257	33438500
1011-11-PULLER-SYSTEM	AIR	17.1115	38.1063	812	17.1115	64	1179	33438500
1011-11-ENGINE-BUILDUP-CONTROL-TURBOJET-JHS	AIR	17.1115	38.1063	812	17.1115	64	1179	33438500
1011-11-CONTROL-ENGINE-POWER-PLANT	AIR	19.521	37.0123	126	19.521	65	1155	33438500
1011-11-AILERON-SYSTEM	AIR	22.6428	36.8121	408	22.6428	65	1227	33438500
1011-11-THROTTLE-CONTROL	AIR	26.2536	45.0842	946	26.2536	65	1228	33438500
1011-11-CONTROL-TAIL-ROTOR	HELL	36.9063	143.531	106	36.9063	66	1257	33438500
1011-11-ENGINE-BUILDUP-CONTROL-TURBOJET-JHS	AIR	35.3604	62.1597	946	35.3604	65	1228	33438500
1011-11-LANDING-GEAR-DOOR-MAIN-OUTBOARD	AIR	40.453	107.151	96	40.453	65	1227	33438500
1011-11-ROSE-LANDING-GEAR	AIR	42.1052	84.1426		42.1052	63	2124	33438500
1011-11-CONTROL-TAIL-ROTOR	HELL	43.3213	76.044	160	43.3213	66	1257	33438500
1011-11-ELEVATOR-CONTROL-LINKAGE	AIR	58.4316			58.4316	61	1123	33438500
1011-11-AILERON-SYSTEM	AIR	60.1525	77.5112	400	60.1525	63	1114	33438500
1011-11-LANDING-GEAR-DOOR-MAIN-OUTBOARD	AIR	60.7828	112.748	152	60.7828	66	1250	33438500
1011-11-CONTROL-ELEVATOR-SYNCHRONIZED	HELL	86.6425	128.386	160	86.6425	66	1257	33438500

ROME AIR DEVELOPMENT CENTER, GRADISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA INDEX	CRJSS RPT SACS REF NO
-12 BELL-CRANK								
VARIABLE-GEOMETRY	STABILIZER-HORIZONTAL	AIR	125.484	189.346	406	.08746	64	1179 33516000
	STABILIZER-HORIZONTAL	AIR	173.782	199.693	597	.51789	67	1272 33518000
	STABILIZER-HORIZONTAL	AIR	201.277	266.503	473	.11427	65	1228 33520000
	CONTROL-ELEVATOR-SYNCHRONIZED	HELI	221.402	388.938	100	.0371	66	1257 33522000
TURBOJET-J-85								
	TURBOJET-J-85	AIR	9	10.0752	946	.22854	65	1228 33524000
-13 CAM								
STEERING-NOSEWHEEL	STEERING-NOSEWHEEL	AIR	9	10.0752	946	.22854	65	1228 33526000
	ACTUATOR-SWITCH-DOOR-HYDRAULIC-PETAL	AIR	9	93.1472	42	.03472	65	1227 33528000
	CENTERING-LANDING-GEAR-MAIN	AIR	9	48.2219	124	.04775	63	1111 33530000
		LAD	1002				63	1138 33532000
STEERING-NOSEWHEEL	STEERING-NOSEWHEEL	AIR	5.70385	22.1862	812	.17532	61	1066 33534000
	STEERING-NOSEWHEEL	AIR	7.72424	12.5467	1194	1.0357	64	1179 33536000
	CONTROL-ENGINE-THROTTLE	AIR	10.4712	40.7296	248	.0955	63	1111 33538000
	CONTROL-THROTTLE	AIR	17.1115	38.1043	812	.17532	64	1179 33540000
CONTROL-THROTTLE	CONTROL-THROTTLE	AIR	20.2761	27.2128	1194	1.0357	67	1272 33542000
	CONTROL-THROTTLE	AIR	30.6292	51.5057	946	.22854	65	1228 33544000
	CONTROL-RELEASE-ALTERNATE.	AIR	77.2364	95.368	597	.51789	61	1272 33546000
	LANDING-GEAR	AIR	96.2632	145.253	473	.11427	65	1228 33548000
CONTROL-RELEASE-ALTERNATE-LANDING-GEAR	CONTROL-RELEASE-ALTERNATE-LANDING-GEAR	AIR	148.3	216.266	406	.08746	64	1179 33550000
	CONTROL-RELEASE-ALTERNATE-LANDING-GEAR	AIR	24.3131	94.5708	76	.04113	66	1250 33552000
	ENGINE-ORPROP-COMPENSATION-SYSTEM	HELI	57.8034	153.823	40	.0346	66	1257 33554000
-14 FOLLOWER								
CAM	CLAR-VISOR-WINDSHIELD	AIR	9	23.2868	192	.09888	45	1227 33556000
	STEERING-NOSEWHEEL	AIR	9	20.1505	473	.11427	65	1228 33558000
	CLAR-VISOR-WINDSHIELD	AIR	9	13.9975	304	.1645	66	1250 33560000
	STEERING-NOSEWHEEL	AIR	.965531	3.75562	1194	1.0357	67	1272 33562000
CAM	STEERING-NOSEWHEEL	AIR	5.70385	22.1862	812	.17532	64	1179 33564000
	20MM-GUN	AIR	808	112.2588	4	.28	64	1134 33566000
-20 GEARS								
REDUCER-PAIN-REDUCTION-GEAR	REDUCER-PAIN-REDUCTION-GEAR	AIR	9	4.46316	528	.51361	65	1201 33570000
	MASTER-PROPELLER-ASSEMBLY	AIR	9	6.78992	200	.33912	63	1198 33572000
		GRD SHP	9	10.3482		.2251	64	1180 33574000
DIFFERENTIAL	DIFFERENTIAL	AIR	9	41.1178		.036	61	1082 33576000
	ANTENNA-RADAR-SYSTEM	SIM GRD AIR	9	82.9765	195	.02775	64	1161 33578000
	ANTENNA-RADAR-SYSTEM	SIM GRD AIR	9	115.13	139	.02	63	1117 33580000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS. 111 MECHANISMS, POWER TRANSMITTAL

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95% CONF LIMIT	PART LATENCY	PART HOURS	YR OF DATA INDEX	CROSS REF NO
1.20 GEARS								
ISTORAVEL		MSL	.0001				65 2440	33582000
		LAB	.12				63 1138	33584000
DRIVE-MAIN-REDUCTION-GEAR		AIR	.501379	1.95021	1716	1.9945	65 1201	33586000
SHAFT-DRIVE-SCAVENGE-PUMP-TURBINE-PROP		AIR	.501379	1.95021	1716	1.9945	65 1201	33588000
SHAFT-DRIVE-SCAVENGE-PUMP-TURBINE-GEAR		AIR	.501379	1.95021	1716	1.9945	65 1201	33590000
BEAR							65 1201	33592000
GRD		GRD	.62954	.819283	2360	41.3	62 1164	33594000
GRD		GRD	.63				63 2447	33596000
PLANET-LEATH-BEARING-REDUCTION-GEAR		AIR	1.05501	2.80756	2000	1.8957	65 1201	33598000
DRIVE-SCAVENGE-PUMP-DIFFUSER-POWER-SECTION		AIR	1.05501	3.34961	1716	1.9945	65 1201	33600000
PLANET-LEATH-BEARING-REDUCTION-GEAR		AIR	1.55757	3.11263	2640	2.5781	65 1201	33602000
PLANET-LEATH-BEARING-REDUCTION-GEAR		AIR	1.60444	2.25139	8580	9.4723	65 1201	33604000
PINION-DRIVE-SCAVENGE-PUMP-OIL-MAIN		AIR	1.79079	6.58567	708	.5841	65 1201	33606000
PINION-REDUCTION-GEAR		AIR	1.947	7.57325	528	.51361	65 1201	33608000
TOLER-HYDRAULIC-PUMP-REDUCTION-GEAR		AIR	1.947	7.57325	528	.51361	65 1201	33610000
TOLER-HYDRAULIC-PUMP-REDUCTION-GEAR		AIR	2.73059	10.6212	244	.36622	65 1201	33612000
TOLER-TACHOMETER-DRIVE-REDUCTION-GEAR		AIR	2.73059	10.6212	244	.36622	65 1201	33614000
GEAR							65 1201	33616000
INTERMEDIATE-SCAVENGE-PUMP-SECTION		AIR	2.83535	11.0286	448	.35259	65 1201	33618000
INTERMEDIATE-SCAVENGE-PUMP-DIFFUSER		AIR	2.83535	11.0286	448	.35259	65 1201	33620000
SCAVENGE-PUMP-MAIN-REDUCTION-GEAR		AIR	3.00827	5.28057	1716	1.9945	65 1201	33622000
SHAFT-DRIVE-SCAVENGE-PUMP-TURBINE-GEAR		AIR	4.86121	18.3086	260	.20571	65 1201	33624000
GEAR							65 1201	33626000
DRIVE-SCAVENGE-PUMP-REDUCTION-GEAR		AIR	5.27509	14.0378	400	.37914	65 1201	33628000
PLANET-LEATH-BEARING-REDUCTION-GEAR		AIR	5.46119	8.41387	1220	1.6311	65 1201	33630000
SHAFT-PUMP-OIL-SCAVENGE-TURBINE-GEAR		AIR	5.46119	8.41387	1220	1.6311	65 1201	33632000
SCAVENGE-PUMP-MAIN-REDUCTION-GEAR		AIR	5.46119	8.41387	1220	1.6311	65 1201	33634000
DIFFERENTIAL		SAT	5.50659	11.1641	14010	.716	65 1221	33636000
DIFFERENTIAL		AIR	6.13496	23.8631		.163	61 1083	33638000
DRIVE-SCAVENGE-PUMP-OIL-MAIN-REDUCTION-GEAR		AIR	8.95359	16.6091	708	.55841	65 1201	33640000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	19.3348	30.3519	400	.49548	65 1198	33642000
SHAFT-SCAVENGE-PUMP-TURBINE-FRONT		AIR	31.1888	47.6615	448	.35269	65 1201	33644000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	48.387	167.754	272	.062	63 1114	33646000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	123.619	158.568	408	.23459	65 1114	33648000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	232.294	268.745	408	.353	63 1114	33650000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	244.212	274.855	200	.50763	65 1198	33652000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	251.648	289.213	200	.33912	65 1198	33654000
REDUCTION-TURBOPROP-POWER-PLANT		AIR	264.214	306.54	200	.299	63 1114	33656000
REDUCTION-TURBOPROP-POWER-PLANT		GRD	401	1064.46		.005	62 1072	33658000
ANTENNA-TARGET-SEEKER-SYSTEM		GRD	869.565	7314.64		.0023	62 1135	33660000
ANTI-BACKLASH-DELIN. (PLASTIC)		AIR	114.624	147.029	1.71	.253	66 1250	33662000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SII MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
-20 GEARS									
BEVEL	TILT-DRIVE		GRD	0	788.944	00798	00798	64	1180 33640000
BEVEL			GRD	0	948.941	00491	00491	64	1190 33640000
BEVEL			GRD	0	312.853	00734	00734	64	1180 33640000
BOX-ASSEMBLY			GRD	0	939.839	00245	00245	64	1180 33640000
BOX-CONSTANT-SPEED-DRIVE			AIR	3515.78	3775.36	095	095	63	211 33640000
BOXES			AIR	3292.59	3231.54	216	216	63	2109 33670000
BOXES	ELEVATOR-TRIM-TAB-ASSEMBLY		AIR	0	4.5398	280	50763	65	1198 33672000
BOXES	HYDRAULIC-GUN-TURRET-FIRE-CONTROL		AIR	0	96.4241	62	42387	63	1111 33674000
BOXES	A-1-ACCESS-COMPRESSOR-BASIC-ENGINE		AIR	0	13.9975	304	1645	64	1250 33676000
BOXES	M-1-ACCESS-COMPRESSOR-BASIC-ENGINE		AIR	0	23.2868	192	09888	65	1227 33678000
BOXES	TRANSFER-ACCESSORY-DRIVE		AIR	0	176.309	86	01306	66	1240 33680000
BOXES			AIR	0	20.2226		115	61	1984 33682000
BOXES	SCREENJACK		AIR	0	25.3032		091	61	1082 33684000
BOXES	ELEVATOR-TRIM-TAB-ASSEMBLY		AIR	0	9.78992	200	33912	67	1198 33686000
BOXES	COMPUTER-GROUP-ASG-15-FIRE-CONTROL		AIR	0	96.4641	62	02587	63	1111 33688000
BOXES	COMMUNICATION		LAB	0					
BOXES	WING-FLAP-ASSEMBLY		AIR	1.47442	5.73507	400	67823	63	1156 33692000
BOXES	WING-FLAP-ASSEMBLY		AIR	2.12576	5.63132	800	93907	65	1198 33694000
BOXES	WING-FLAP-ASSEMBLY		AIR	2.95479	6.58012	400	1.0153	65	1198 33696000
BOXES	WING-FLAP-ASSEMBLY		AIR	4.24929	9.46289	816	706	63	1114 33698000
BOXES	LANDING-GEAR-MAIN		AIR	11.8196		200	50763	65	1198 33700000
BOXES	LANDING-GEAR-MAIN		AIR	10.129	62.737	272	062	63	1114 33702000
BOXES	WING-FLAP-ASSEMBLY		AIR	16.129	42.9217	544	124	63	1114 33704000
BOXES	LANDING-GEAR-MAIN		AIR	16.9271	29.8359	408	323	63	1114 33706000
BOXES	LANDING-GEAR-MAIN		AIR	17.1865	27.9167	400	46548	65	1198 33708000
BOXES	MANUAL-EMERGENCY-MAIN-LANDING-GEAR		AIR	23.5904	47.1428	100	16956	63	1198 33710000
BOXES	MANUAL-EMERGENCY-MAIN-LANDING-GEAR		AIR	25.7798	45.2526	200	33274	65	1198 33712000
BOXES	MANUAL-EMERGENCY-EQUIPMENT		AIR	26.5456	53.8479	100	149	63	1114 33714000
BOXES	MANUAL-EMERGENCY-MAIN-LANDING-GEAR		AIR	27.5785	46.3749	100	25382	65	1198 33716000
BOXES	2-SPEED-CONTROL-LANDING-GEAR-MAIN		AIR	28.489	22.8771	204	176	63	1114 33718000
BOXES	MANUAL-EMERGENCY-EQUIPMENT		AIR	28.489	22.8771	204	176	63	1114 33720000
BOXES	LANDING-GEAR-MAIN		AIR	32.4368	48.9647	200	33912	63	1198 33722000
BOXES	ACCESSORY-DRIVE-TURBOJET-J-85		AIR	35.0648	56.8596	946	22854	65	1228 33724000
BOXES	2-SPEED-CONTROL-LANDING-GEAR-MAIN		AIR	47.2775	70.0557	100	25382	65	1198 33726000
BOXES	WING-FLAP-DRIVE		AIR	56.2587	149.713	63	03553	64	1144 33728000
BOXES	MANUAL-EMERGENCY-EQUIPMENT		AIR	64.5161	171.687	136	021	63	1114 33730000
BOXES	2-SPEED-CONTROL-LANDING-GEAR-MAIN		AIR	64.8737	97.8895	100	16956	63	1198 33732000
BOXES	2-SPEED-CONTROL-LANDING-GEAR-MAIN		AIR	73.6255	111.396	100	149	63	1114 33734000
BOXES	AC-POSER-SUPPLY-EMERGENCY		AIR	85.7142	190.88	320	035	61	1080 33736000
BOXES	SCREENJACK		AIR	86.0215	135.727	520	093	61	1080 33738000
BOXES	SHAFT-TURBOJET-J-85		AIR	88.3565	139.465	812	10186	64	1179 33740000
BOXES	SCREENJACK-VARI-RAMP		AIR	90.909	223.809	120	011	61	1080 33742000
BOXES	DRIVE-RESOLVER-6000RPM/280RPM		MELI	100	222.693	120	03	65	1215 33744000
BOXES	TELEFLX-CANOPY		AIR	118.279	178.474	520	093	61	1080 33746000
BOXES	DRIVE-DOOR-HYDRAULIC-PETAL		AIR	121.359	270.258	46	02472	65	1227 33748000



HOME AIR DEVELOPMENT CENTER, CRIFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS  
PART DESCRIPTION  
FUNCTIONAL APPLICATION  
ENVIRONMENT  
FAILURE RATE  
UPPER  
QC CONF  
LIMIT  
PART  
POPUL  
LATION  
PART  
HOURS  
YR  
OF DATA  
INDEX  
CROSS  
REF NO

-20 GEARS

BOXES	42-DEGREE-TAIL-ROTOR	AIR	142.857	525.471	20	.007	61	1082	33750000
BOXES	ACCESSORY-ENGINE-2600RPM/4200RPM	HELI	147.058	572.014	20	.0048	66	1257	33750000
BOXES	ACCESSORY-ENGINE-6000RPM-INPUT-1000RPM	HELI	166.666	309.156	120	.03	65	1215	33750000
BOXES	FLAP-DRIVE-SYSTEM	HELI	166.666	305.156	120	.03	65	1215	33750000
BOXES	ANGLE-CHANGE-TAIL-ROTOR-DRIVE-3000RPM	HELI	200	443.525	31	.012	63	1811	33750000
BOXES	2-SPEED-CONTROL-LANDING-GEAR-MAIN	AIR	225.806	351.07	120	.03	65	1215	33750000
BOXES	42-DEGREE-TAIL-ROTOR	HELI	236.779	527.292	40	.01267	62	1123	33750000
BOXES	SCREW-JACK	AIR	245.398	284.438	40	.326	51	1083	33750000
BOXES	90-DEGREE-TAIL-ROTOR	HELI	269.017	445.278	40	.0346	66	1257	33750000
BOXES	1-SPEED-CONTROL-LANDING-GEAR-MAIN	HELI	294.117	782.691	20	.0368	66	1257	33750000
BOXES	42-DEGREE-TAIL-ROTOR	HELI	330.841	324.596	200	.23274	63	1198	33750000
BOXES	42-DEGREE-TAIL-ROTOR	HELI	370.37	965.611	20	.0024	66	1257	33750000
BOXES	ACCESSORY-DRIVE-AIRFRAME-MOUNT	HELI	375.722	547.917	40	.0346	66	1257	33750000
BOXES	90-DEGREE-TAIL-ROTOR	HELI	394.632	732.62	40	.01267	66	1257	33750000
BOXES	7-SPEED-GENERATOR	AIR	409.706	597.377	61	.03173	64	1144	33750000
BOXES	OUTBOARD-ALLERON-MYC-CONTROL-SYSTEM	GRD	434.782	1691.17		.0023	62	1135	33750000
BOXES	DRIVE-INDUARD-ALLERON-MYC-CONTROL	GRD	434.782	1691.17		.0023	62	1135	33750000
BOXES	42-DEGREE-TAIL-ROTOR	HELI	511.073	897.112	34	.0174	63	1132	33750000
BOXES	ACCESSORY-DRIVE-AIRFRAME-MOUNT	AIR	593.201	674.922	812	.17532	64	1179	33750000
BOXES	DRIVE-TAIL-ROTOR-3000/1000RPM	HELI	648.836	682.051	1194	1.0357	67	1272	33750000
BOXES	ACCESSORY-DRIVE	AIR	733.333	977.341	120	.03	65	1215	33750000
BOXES	90-DEGREE-TAIL-ROTOR	HELI	1065.94	1210.53		.10038	63	1123	33750000
BOXES	SPEED-GENERATOR-ENGINE	HELI	1111.11	1950.28	20	.0024	66	1257	33750000
BOXES	CONSTANT-SPEED-DRIVE-POWER-PLANT	AIR	1433.33	1758.2	120	.03	65	1215	33750000
BOXES	DRIVE-MAIN-ROTOR-5000RPM/2600RPM	HELI	1546.51	1660.65	126	.21597	65	1195	33750000
BOXES	OUTBOARD-ALLERON-MYC-CONTROL-SYSTEM	GRD	2866.66	3304.5	120	.03	65	1215	33750000
BOXES	DRIVE-ENGINE-TRANSMISSION-OIL	HELI	3913.04	6176.52		.0623	62	1135	33750000
BOXES	42-DEGREE-TAIL-ROTOR	HELI	500	473.533	120	.03	65	1215	33750000
BOXES	ACCESSORY-GEAR-BOXES-707-131	AIR	240P				65	2361	33810000
BOXES	ACCESSORY-GEAR-BOXES-707-131	AIR	330P				66	2361	33810000
BOXES	DIFFERENTIAL	AIR	145.872	256.146	76	.04113	64	1250	33810000
BOXES	DIFFERENTIAL	AIR	1.57303	2.64514		4.45	58	212	33810000
BOXES	DIFFERENTIAL	AIR	9.53768	13.945		1.41	58	212	33810000
BOXES	DIFFERENTIAL	GRD	12.4149M	86.2605M	15	.0417M	66	1255	33820000
BOXES	DRIVE-MECHANISM	AIR	1.55555	2.61575		4.5	58	212	33820000
BOXES	DRIVE-MECHANISM	AIR	4.19234	5.42845		6.44	58	212	33820000
BOXES	DRIVE-MECHANISM	AIR	22.2222	28.1546		1.44	57	212	33820000
BOXES	DRIVE-MECHANISM	AIR	23.2558	43.1381		.215	59	212	33820000
BOXES	GEAR-BOX	AIR	240P				66	2363	33830000
BOXES	GEAR-BOX	AIR	270P				65	2364	33830000
BOXES	GEAR-BOX	AIR	310P				65	2364	33830000

RONALD AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART CATEGORY	YR OF DATA INDEX	CRDS RPT SINCE REF MS
*20 GEARS								
GEAR-BOXES-FILLET-LW	FLIGHT-CONTROLS-707-131	AIR	27CP				65 2364	33838000
GEAR-BOXES-FLIGHT-DRIVE	FLIGHT-CONTROLS-707-331	AIR	30CP				65 2364	33840000
TEE-FILTER-LW								
GEARBOX-ALT-FLAP-DRIVE	FLIGHT-CONTROLS-727	AIR	90P				64 2360	33847000
GEARBOX-ANG-ID-FLAP-DRIVE-CONTROL	FLIGHT-CONTROLS-727	AIR	470P				66 2360	33844000
GEARBOX-ANG-ID-FLAP-DRIVE-CONTROL	FLIGHT-CONTROLS-727	AIR	110P				66 2365	33846000
GEARBOX-STAB-TRIM-JACKSCREW	FLIGHT-CONTROLS-727	AIR	30CP				65 2365	33848000
MELICAL		GRD					64 1100	33850000
MELICAL		LAB			571.961		53 1138	33852000
INSTRUMENT-SERVO		AIR GND	5-43933		7.07414		37 212	33854000
MIL-C-7400	SPEED-DEGREASING-OIL-COOLER	MELT	100		277.663	120	63 1215	33856000
MIL-S-8698	MAIN LANDING	MELT	133.333		210.578	240	63 1215	33858000
REDUCTION-STEEL	OIL-PUMP-TURBO-ENGINE	AIR	19.4071		29.2839	500	64 1277	33860000
RING	REDUCTION-GEAR	AIR	5.37239		11.9639	708	63 1201	33862000
SECTOR		LAB	.91				53 1138	33864000
SECTOR		AIR	50				61 1068	33866000
SINGLE		AIR	1-10				57 211	33868000
SINGLE		AIR	2				57 211	33870000
SPUR	SYNCHRO-DRIVE	GRD			1813.07		64 1100	33872000
SPUR		GRD			161.924		64 1100	33874000
SPUR		GRD			104.597		64 1100	33876000
SPUR		LAB	2-10				63 1130	33878000
SPUR		AIR	100				61 1068	33880000
SPUR-ANTI-BACKLASH		GRD			77.8168		64 1100	33882000
SPUR-CONTROL-STOP		GRD			1813.07		64 1100	33884000
SPUR-INVOLUTE		AIR			.028445	1000	64 1148	33886000
SPUR-PINION		GRD			266.813		64 1100	33888000
SPUR-STEEL		AIR	2-5				61 1068	33890000
SUN	REDUCTION-GEAR	AIR	3-58159		9.53116	708	63 1281	33892000
TRAIN		AIR GND			.571677		64 214	33894000
TRAIN		AIR	2-47289		3.34397		65 212	33896000
TRAIN		AIR GND	9-33				59 212	33898000
TRAINS	CLEARANCE-PLANE-INDICATOR-RADAR	SIN GND AIR			82.9765	195	64 1181	33900000A
TRAINS		GRD			79.4	27	63 1193	33902000
TRAINS	CLEARANCE-PLANE-INDICATOR-RADAR	SIN GND AIR			115.13	139	63 1117	33904000
TRAINS	INDICATOR-DRIVES	GEN	.4				62 1078	33906000
TRAINS	COMMUNICATION	LAB	.9				63 1138	33908000
TRAINS		AIR GND	9-21659		24.5267		62 1087	33910000
TRAINS		AIR GND	36-3636		44.0587		61 1087	33912000
TRAINS		SIN AIR	67.06		124.392	77	64 1190	33914000A
TRAINS		SIN AIR	73.4753		285.767	26	64 1151	33916000A
TRAINS-ANTI-BACKLASH-INSTRUMENT		GRD	110-375		429-326	12	65 1177	33918000A



# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART HOURS	YR DATA INDEX	CROSS REF NO
20 TRANSMISSION								
HYDRAULIC								
18-FLAP-18-LH	CONSTANT-SPEED-DRIVE	AIR	2130-18	2328.7	1	.10093	33	1123 3400-0002
18-FLAP-18-LH	FLIGHT-CONTROLS-727	AIR	190P				66	2340 3400-0000
18-FLAP-18-RH	FLIGHT-CONTROL-727	AIR	340P				65	2363 3400-0000
18-FLAP-18-LH	FLIGHT-CONTROL-727	AIR	340P				65	2363 3401-0000
18-FLAP-18-LH	FLIGHT-CONTROL-727	AIR	340P				65	2363 3401-0000
MANUAL	FLIGHT-CONTROL-727	AIR	340P				65	2363 3401-0000
WG-FLAP	MAIN-DRIVE-14-MILES	GRD	16-2074R	65-0421M 15		.0617M	66	2363 3401-0000
WG-FLAP	FLIGHT-CONTROLS-727	AIR	190P				66	2360 3401-0000
	FLIGHT-CONTROLS-727	AIR	270P				65	2360 3402-0000
40 COUPLINGS								
SEARCH-RADAR-SUBSYSTEM								
DUCT-BLEED-AIR-TURBINE-MOTOR		AIR	0	213.599	1	.11778	62	2322 3402-0000
OIL-LINE-CONSTANT-SPEED-DRIVE (STEINAGE)		AIR	0	9.69344	200	.11778	64	1198 3402-0000
SHARP-FLEXIBLE		MSL	.00002	23.1719		.11778	63	1198 3402-0000
CLAMP-GTC-AUX-POWER-PLANT		LAB	.69				65	2440 3402-0000
DUCT-AIR-CONDITIONING-SYSTEM		AIR	2.14829	5.71694	800	.22097	63	1198 3403-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	82.752	325.77	31	.01194	63	1198 3403-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	238.636	320.276	102	.088	63	1198 3403-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	266.666	532.903	98	.015	63	1198 3403-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	275.785	345.69	50	.12691	65	1198 3404-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	281	375.79	50	.075	63	1198 3404-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	206.676	355.138	50	.08478	63	1198 3404-0000
GUIDANCE-BEAM-AUTOPILOT-SYSTEM		AIR	425.664	516.514	100	.11637	65	1198 3404-0000
COMPASS		AIR	2173.91	2343.74		.138	65	1070 3404-0000
NAVIGATION-727		AIR	110P				66	2363 3405-0000
NAVIGATION-727		AIR	121P				66	2363 3405-0000
NAVIGATION-880		AIR	80P				66	2363 3405-0000
NAVIGATION-880		AIR	80P				66	2363 3405-0000
HF-COMMUNICATIONS-DC-8		AIR	0				66	2363 3405-0000
HF-COMMUNICATIONS-DC-8		AIR	33C				66	2363 3405-0000
H.F. APPL FLEP		LAB	65.43				65	2324 3406-0000
NAVIGATION-727		AIR	150P				66	2363 3406-0000
NAVIGATION-727		AIR	110P				66	2363 3406-0000
NAVIGATION-727		AIR	370P				66	2363 3406-0000
NAVIGATION-727-11		AIR	110P				66	2363 3407-0000
NAVIGATION-727-3318		AIR	145P				66	2363 3407-0000
NAVIGATION-727-131		AIR	150P				65	2362 3407-0000
NAVIGATION-727-1318		AIR	160P				65	2362 3407-0000
NAVIGATION-727-331		AIR	170P				65	2362 3407-0000
NAVIGATION-727-331		AIR	310P				66	2362 3407-0000
NAVIGATION-727-331		AIR	51P				66	2360 3407-0000
NAVIGATION-727-331		AIR	91P				66	2360 3407-0000
NAVIGATION-727-131		AIR	121P				66	2362 3407-0000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	511 MECHANISMS, POWER TRANSMITTAL	UPPER SO CMT LIMIT	PART LATION	YR OF DATA	CROSS INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	PART LATION	YR OF DATA	CROSS INDEX
44 COUPLINGS					
COUPLER-POLAR-PATH	NAVIGATION-707-331B	140P	AIR	66	2362 34080000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	250P	AIR	66	2363 34080000
COUPLER-POLAR-PATH	NAVIGATION-707-331B	260P	AIR	65	2362 34092000
COUPLER-POLAR-PATH	NAVIGATION-707-331	310P	AIR	65	2364 34094000
COUPLER-POLAR-PATH	NAVIGATION-707-131	340P	AIR	66	2362 34096000
COUPLER-POLAR-PATH	NAVIGATION-707-331	340P	AIR	65	2362 34098000
COUPLER-POLAR-PATH	NAVIGATION-707-331	470P	AIR	66	2364 34100000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	490P	AIR	65	2365 34102000
COUPLER-POLAR-PATH	NAVIGATION-707-131	540P	AIR	66	2364 34104000
COUPLER-POLAR-PATH	NAVIGATION-707-331B	580P	AIR	66	2364 34106000
COUPLER-POLAR-PATH	NAVIGATION-707-331B	630P	AIR	65	2364 34108000
COUPLER-POLAR-PATH	NAVIGATION-707-331B	680P	AIR	66	2364 34110000
COUPLER-POLAR-PATH	NAVIGATION-707-131	800P	AIR	66	2364 34112000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	720P	AIR	66	2360 34114000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	760P	AIR	66	2365 34116000
COUPLER-POLAR-PATH	NAVIGATION-707-131B	800P	AIR	66	2364 34118000
COUPLER-POLAR-PATH	NAVIGATION-707-131B	810P	AIR	66	2362 34120000
COUPLER-POLAR-PATH	NAVIGATION-707-331	840P	AIR	66	2362 34122000
COUPLER-POLAR-PATH	NAVIGATION-707-131B	890P	AIR	66	2362 34124000
COUPLER-POLAR-PATH	NAVIGATION-707-131	910P	AIR	65	2362 34126000
COUPLER-POLAR-PATH	NAVIGATION-707-131B	920P	AIR	66	2364 34128000
COUPLER-POLAR-PATH	NAVIGATION-707-131B	920P	AIR	65	2362 34130000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	1000P	AIR	66	2365 34132000
COUPLER-POLAR-PATH	NAVIGATION-707-331	1080P	AIR	66	2362 34134000
COUPLER-POLAR-PATH	NAVIGATION-727	1110P	AIR	66	2365 34136000
COUPLER-POLAR-PATH	NAVIGATION-707-331B	1210P	AIR	66	2362 34138000
COUPLER-POLAR-PATH	NAVIGATION-707-131B	1260P	AIR	65	2364 34140000
COUPLER-POLAR-PATH	NAVIGATION-880	1270P	AIR	66	2365 34142000
COUPLER-POLAR-PATH	NAVIGATION-880	1280P	AIR	66	2365 34144000
COUPLER-POLAR-PATH	NAVIGATION-880	1280P	AIR	66	2365 34146000
COUPLER-POLAR-PATH	NAVIGATION-727	1290P	AIR	66	2360 34148000
COUPLER-POLAR-PATH	NAVIGATION-880	1300P	AIR	66	2360 34150000
COUPLER-POLAR-PATH	NAVIGATION-727	1370P	AIR	65	2365 34152000
COUPLER-POLAR-PATH	NAVIGATION-707-131	1500P	AIR	65	2364 34154000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	1500P	AIR	66	2360 34156000
COUPLER-POLAR-PATH	NAVIGATION-331C/373C	1630P	AIR	65	2360 34158000
COUPLER-POLAR-PATH	NAVIGATION-727	1680P	AIR	66	2360 34160000
COUPLER-POLAR-PATH	NAVIGATION-727	1920P	AIR	65	2160 34162000
COUPLER-POLAR-PATH	NAVIGATION-707-331	2020P	AIR	66	2364 34164000
COUPLER-POLAR-PATH	NAVIGATION-880	2090P	AIR	65	2365 34166000
COUPLER-POLAR-PATH	NAVIGATION-727	2250P	AIR	66	2365 34168000
COUPLER-POLAR-PATH	NAVIGATION-880	2380P	AIR	65	2360 34170000
COUPLER-SERIES-YAW-DAMPER	AUTO-FLIGHT-331C/373C	1500P	AIR	66	2360 34172000
COUPLER-SERIES-YAW-DAMPER	AUTO-PILOT-707-131B	130P	AIR	66	2362 34174000
COUPLER-SERIES-YAW-DAMPER	AUTO-PILOT-707-131B	150P	AIR	66	2362 34176000

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NONRELIABILITY PART FAILURE RATE DATA

JANUARY 1969

PART CLASS	311 MECHANISMS, POWER TRANSMITTAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART LATION	VR	CROSS
PART DESCRIPTION							OF DATA INDEX	REF SINCE REF NO
40 COUPLINGS								
COUPLER-SERIES-YAW-DAMPER	AUTO-PILOT-707-3318	AIR	4-50P				66	2362 34170000
COUPLER-YAW-DAMPER	AUTO-FLIGHT-727	AIR	20P				66	2360 34180000
COUPLER-YAW-DAMPER	AUTO-FLIGHT-727	AIR	200P				66	2360 34180000
COUPLER-YAW-DAMPER	AUTO-PILOT-727	AIR	320P				66	2360 34180000
COUPLER-YAW-DAMPER	AUTO-PILOT-727	AIR	400P				66	2360 34180000
COUPLER-YAW-DAMPER	AUTO-PILOT-727	AIR	700P				66	2360 34180000
COUPLER-ADF-ANT	NAVIGATION-707-1318	AIR	70P				65	2360 34180000
COUPLER-ADF-ANT	NAVIGATION-707-1318	AIR	70P				65	2360 34180000
COUPLER-ADF-ANT	NAVIGATION-707-131	AIR	110P				66	2360 34190000
COUPLER-ADF-ANT	NAVIGATION-707-131	AIR	110P				66	2360 34190000
COUPLER-ADF-ANT	NAVIGATION-707-131	AIR	160P				66	2360 34190000
COUPLER-ADF-ANT	NAVIGATION-707-3318	AIR	210P				65	2360 34190000
COUPLER-ADF-ANT	NAVIGATION-707-331	AIR	340P				65	2360 34200000
COUPLER-ADF-ANT	NAVIGATION-707-3318	AIR	340P				66	2360 34200000
COUPLERS	FIRE-DETECTION-SYSTEM	AIR	16.7347	19.8402	7164	0.2146	67	1772 34290000
COUPLERS	AUTO-PILOT-707-1318	AIR	230P				66	2361 34290000
COUPLERS	AUTO-PILOT-707-1318	AIR	270P				65	2361 34210000
COUPLERS	AUTO-PILOT-707-331	AIR	280P				66	2361 34212000
COUPLERS	AUTO-PILOT-707-3318	AIR	280P				66	2361 34214000
COUPLERS-ADF-ANT	NAVIGATION-707-331	AIR	420P				66	2361 34214000
COUPLERS-ADF-ANT	NAVIGATION-707-331	AIR	130P				66	2361 34218000
COUPLERS-ADF-ANT	NAVIGATION-707-331	AIR	140P				66	2361 34220000
COUPLERS-ADF-ANT	NAVIGATION-707-131	AIR	220P				66	2361 34222000
COUPLERS-LINES-POSE	TRANSMISSION	MELT	26.3157	102.36	120	.038	65	2361 34224000
HYDRAULIC							66	1257 34224000
COUPLERS-LINES-POSE	TRANSMISSION	MELT	163.776	227.419	120	.1038	66	1257 34228000
HYDRAULIC							66	2133 34230000
COUPLERS-MACHINE-TRIM	NAVIGATION-707-3318	AIR	394.024	712.342		.01302	66	2361 34232000
COUPLERS-POLAR-PATH	NAVIGATION-707-1318	AIR	280P				66	2361 34234000
COUPLERS-POLAR-PATH	NAVIGATION-707-131	AIR	400P				66	2361 34234000
COUPLERS-POLAR-PATH	NAVIGATION-707-1318	AIR	440P				66	2361 34234000
COUPLERS-POLAR-PATH	NAVIGATION-707-1318	AIR	530P				65	2361 34234000
COUPLERS-POLAR-PATH	NAVIGATION-707-3318	AIR	600P				66	2361 34234000
COUPLERS-POLAR-PATH	NAVIGATION-707-3318	AIR	620P				66	2361 34240000
COUPLERS-POLAR-PATH	NAVIGATION-707-131	AIR	850P				65	2361 34240000
COUPLERS-POLAR-PATH	NAVIGATION-707-331	AIR	660P				66	2361 34240000
COUPLERS-POLAR-PATH	NAVIGATION-707-3318	AIR	770P				65	2361 34240000
COUPLERS-POLAR-PATH	NAVIGATION-707-1318	AIR	850P				65	2361 34250000
COUPLERS-POLAR-PATH	NAVIGATION-707-131	AIR	890P				66	2361 34252000
COUPLERS-SERIES-YAW-DAMPER	AUTO-PILOT-727-3318	AIR	1390P				66	2361 34254000
COUPLERS-SERIES-YAW-DAMPER	AUTO-PILOT-707-1318	AIR	130P				66	2360 34254000
COUPLERS-SERIES-YAW-DAMPER	AUTO-PILOT-707-3318	AIR	600P				66	2360 34256000
COUPLERS-SERIES-YAW-DAMPER	AUTO-PILOT-707-3318	AIR	1360P				66	2360 34260000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS	III MECHANISMS, POWER TRANSMITTAL	UPPER 90 CONF LIMIT	PART POPU LATION	PART HOURS	YR OF DATA	GROSS INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	ENVIRONMENT	RPT SACE REF NO	
AC COUPLINGS						
COUPLERS-UNIVERSAL	WING-FLAP-SYSTEM	0	AIR	2-23980 1990	66 1250	34264000
GLARDEN-EMC		434.488	AIR	461.876 1194	67 1272	34264000
COUPLERS-UNIVERSAL						
GEARBOX-END	AUTO-FLIGHT	537.6	AIR	568.148 1194	67 1272	34264000A
FLANGED-SINGLI-POINT-REFUEL		310	AIR			
HF-ANTENNA	HF-COMMUNICATIONS-B-72C	0	AIR	9-07178 200	66 2380	34270000
PIPE		710	AIR		65 1198	34272000
PNEUMATIC						
POLAR-PATH	NAVIGATION-331C/373C	1.797872C	AIR	1.7768C	62 2230	34274000
POLAR-PATH	NAVIGATION-727	1.36054	AIR	5.2921	59 1123	34278000
POLAR-PATH	NAVIGATION-727	540P	AIR		66 2363	34280000
POLAR-PATH	NAVIGATION-727	850P	AIR		65 2363	34280000
POLAR-PATH	NAVIGATION-727	850P	AIR		66 2363	34284000
POLAR-PATH	NAVIGATION-727	1660P	AIR		66 2363	34284000
POLAR-PATH	NAVIGATION-331C/373C	1120P	AIR		65 2363	34288000
POLAR-PATH	NAVIGATION-88C	1670P	AIR		66 2363	34290000
POLAR-PATH	NAVIGATION-331C/373C	1780P	AIR		66 2363	34290000
POLAR-PATH	NAVIGATION-88C	1800P	AIR		65 2363	34294000
POLAR-PATH	NAVIGATION-88C	1970P	AIR		66 2363	34294000
QUICK-DISCONNECT-LINE-C/		0	GRD	2-73962 1632	65 1125	34298000
QUICK-DISCONNECT		2302.6C	AIR	6	62 1070	34300000
QUICK-DISCONNECT	LOX-SUPPLY-LINE-FROM-CONVERTER	174.394	AIR	242.163	66 1241	34302000
QUICK-DISCONNECT		182.815	LAB	711.096 85	62 1085	34304000
QUICK-DISCONNECT-F-DRIVEN		0	GRD	11.5859	63 1113	34306000
QUICK-DISCONNECT-GAS		146.198	AIR	548.360 103	63 1123	34308000
QUICK-DISCONNECT-LIQ-OXYGEN		103.773	AIR	156.586	59 1070	34310000
QUICK-DISCONNECT-LIQUID		677.966	AIR	1190.06 133	63 1125	34312000
RIGIL		.025	LAB		63 1138	34314000
ROTARY		1.947	LAB		65 1201	34316000
SAFETY	TORQUEMETER	7.57325	AIR	528	65 1201	34316000
SAFETY	REDUCTION-GEAR	3.58159	AIR	9.53116 708	65 1201	34320000
UNIVERSAL	WING-FLAP-SYSTEM	1.61812	AIR	6.29401 1200	65 1227	34320000
UNIVERSAL-ENGINE-END		724.389	AIR	813.92 812	64 1175	34324000
UNIVERSAL-ENGINE-END	ACC-DR	975.759	AIR	1064.94 946	65 1228	34326000
UNIVERSAL-GEARBOX-END	ACC-DR	284.414	AIR	335.179 546	65 1228	34328000
UNIVERSAL-GEARBOX-END		507.643	AIR	583.801 812	64 1175	34330000
YAN-DAMP	AUTO-PILOT-727	120P	AIR		66 2363	34332000
YAN-DAMP	AUTO-PILOT-727	340P	AIR		65 2363	34334000
YAN-DAMP	AUTO-PILOT-727	870P	AIR		66 2363	34334000
3100-RPM-4000-LB-INCH-TORQUE-4-DEGREE-GEAR-TYPE	TAIL-ROTOR-DRIVE	116.666	NET	156.575 720	65 1215	34338000
400EG-V-BAND-S1-STEEL		20.8768	AIR	46.4913 946	66 1240	34340000A

SEMICONDUCTOR PART FAILURE RATE DATA JANUARY 1968

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JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

PART CLASS	221 MIXERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	90 CONF	PART LATION	PART HOURS	YR	OF DATA INDEX	RPT SRCE REF NO
PART DESCRIPTION											
-00 M-0-C		FLIGHT-CONTROL	AIR	132.333	268.451	120		.03		62	12.5 34404000
HYDRAULIC											

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION : FAILURE RATE DATA

JANUARY 1968

HOMELECTRONIC PART FAILURE RATE DATA

PART CLASS 327 MODULATORS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
HF-POWER-UNIT	COMMUNICATIONS-707-331B	AIR	7CP				66 2361	34409000
HF-POWER-UNIT	COMMUNICATIONS-707-331	AIR	13CP				66 2361	34410900
HF-POWER-UNIT	COMMUNICATIONS-707-331B	AIR	17CP				65 2361	34412000
HF-POWER-UNIT	COMMUNICATIONS-707-331	AIR	20CP				65 2361	34414000
HYDRAULIC	LANDING-GEAR	AIR	176.928	251.148	50	-08478	63 1198	34416000
HYDRAULIC	LANDING-GEAR	AIR	20CP	283.898	50	-075	63 1114	34418000
POWER	HF-COMMUNICATIONS-DC-3	AIR	7C				66 2380	34420000

U.S. N.P.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS		-CO MOTORS AND MOTOR GENERATORS		UPPER LIMIT		PART LATION		PART HOURS		YR		CROSS	
PART DESCRIPTION		FUNCTIONAL APPLICATION		ENVIRONMENT		FAILURE RATE		LIMIT		PART		DATA INDEX	
												RPT SRC REF NS	
-CO DYNAMOTOR	DYNAMOTORS			AIR	0	14.1263					61 1033	34427000	
	DYNAMOTORS			AIR	0	20.0226					51 1384	34427000	
	DYNAMOTORS			LAB	2.8						63 1138	34426000	
	DYNAMOTORS	INTERCOM-AN/AIC-10-DY-77		AIR	94.1563	132.403	100				63 1158	34428000	
	DYNAMOTORS	INTERCOM-AN/AIC-10		AIR	207.382	150.681	100				63 1114	34435000	
	DYNAMOTORS	AN/ARC-3B-HF-COMMUNICATION-SYSTEM		AIR	134.228	192.981	63				64 1150	34435000	
	DYNAMOTORS			AIR	140						61 1068	34436000	
	DYNAMOTORS			AIR	166.666	231.487					62 2240	34436000	
	DYNAMOTORS			AIR	174						57 211	34438000	
	DYNAMOTORS	DY-150/ARN		HELL	185.185	720.314	20				66 1257	34440000	
	DYNAMOTORS	VHF-NAVIGATION-SYSTEM.		AIR	253.333	345.367	50				63 1114	34442000	
	DYNAMOTORS	AN/ARN-14-DY-66/B4		MSL	280						61 212	34444000	
	DYNAMOTORS				280						57 211	34446000	
	DYNAMOTORS	DY102/ARC-34		AIR	541.666	789.914	62				63 1111	34448000	
	DYNAMOTORS			GRD	909						57 211	34450000	
	DYNAMOTORS			MSL	1000	3889.7					57 212	34452000	
	DYNAMOTORS			AIR	1523.8	1930.6					61 1082	34454000	
	DYNAMOTORS	LY64/ARN-14		AIR	3166.66	3932.22	31				63 1111	34456000	
	DYNAMOTORS			AIR GND	3830						57 211	34458000	
	DYNAMOTORS-AN/ARC-27			AIR	141.263	164.302					63 1114	34460000	
FLAP-DRIVE-HYDRAULIC	FLIGHT-CONTROL-727		AIR	110P						66 2363	34462000		
FLAP-DRIVE-HYDRAULIC	FLIGHT-CONTROL-727		AIR	340P						66 2363	34464000		
GENERAL					-15					U 2001	34466000		
GENERAL					-625					U 2001	34468000		
GENERAL	RADAR		GRD	3.1						U 2001	34470000		
GENERAL	DIGITAL		GRD	3-2						60 2081	34472000		
GENERAL	RADIO		GRD	3.6						57 2001	34474000		
GENERAL	GENERAL		SMP	4						U 2001	34476000		
GENERAL	RADIO		GRD	5.5						U 2001	34478000		
GENERAL	RADAR		GRD	5.5						U 2001	34480000		
GENERAL	FIRE-CONTROL				5.8					57 2001	34482000		
GENERAL			AIR		5.8					U 2001	34484000		
GENERAL	RADAR		GRD	12						57 2001	34486000		
GENERAL	RADAR		AIR	15						57 2001	34488000		
GENERAL	BOMBING/NAVIGATION-EQUIPMENT		AIR	16						54 2001	34490000		
GENERAL	RADIO		AIR	22						54 2001	34492000		
GENERAL	RADIO		GRD	22						U 2001	34494000		
GENERAL	BOMBING/NAVIGATION-EQUIPMENT		AIR	23						54 2001	34496000		
GENERAL	RADIO		GRD	30						51 2001	34498000		
GENERAL	BOMBING/NAVIGATION-EQUIPMENT		AIR	35						54 2001	34500000		
GENERAL	RADAR		AIR	35						U 2001	34502000		
GENERAL	RADAR		SMP	42						58 2001	34504000		
GENERAL	RADAR		AIR	55						57 2001	34506000		
GENERAL	GENERAL		AIR	56						58 2001	34508000		

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS	32 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
OC DYNAMOTOR									
GENERAL	FIRE-CONTROL		AIR	70			.077	56	2001 34510000
GENERAL	NAVAR		AIR	95			.126	57	2001 34512000
GENERAL	NAVAR		AIR	110			.319	57	2001 34514000
GENERAL	GENERAL		AIR	140				57	2001 34516000
GENERAL	RADIO		AIR	170			.246	55	2001 34518000
GENERAL	RADIO		AIR	180			.228	56	2001 34520000
GENERAL	FIRE-CONTROL		AIR	190			.11	58	2001 34522000
GENERAL	FLIGHT-CONTROL		AIR	200				58	2001 34524000
GENERAL	FLIGHT-CONTROL		AIR	280			.063	58	2001 34526000
GENERAL	GENERAL		AIR	320			.004	58	2001 34528000
GENERAL	GENERAL		AIR	550				58	2001 34530000
GENERAL	FIRE-CONTROL		AIR	720			.005	57	2001 34532000
GENERAL	NAVIGATION-EQUIPMENT		AIR	900				57	2001 34534000
GENERAL	GENERAL		AIR	1670				57	2001 34536000
GENERAL	GENERAL		SHP	.3				57	2001 34538000
GENERAL	GENERAL		AIR	23				57	2001 34540000
GENERAL	GENERAL		AIR	30				57	2001 34542000
GENERAL	GENERAL		AIR	50				57	2001 34544000
GENERAL	GENERAL		AIR	100				57	2001 34546000
GENERAL	GENERAL		AIR	13				57	2001 34548000
GENERAL	GENERAL		AIR	50				57	2001 34550000
GENERAL	GENERAL		AIR	50				57	2001 34552000
GENERAL	GENERAL		AIR	50				57	2001 34554000
GENERAL	GENERAL		AIR	50				57	2001 34556000
GENERAL	GENERAL		AIR	50				57	2001 34558000
GENERAL	GENERAL		AIR	50				57	2001 34560000
GENERAL	GENERAL		AIR	50				57	2001 34562000
GENERAL	GENERAL		AIR	50				57	2001 34564000
GENERAL	GENERAL		AIR	50				57	2001 34566000
GENERAL	GENERAL		AIR	50				57	2001 34568000
GENERAL	GENERAL		AIR	50				57	2001 34570000
GENERAL	GENERAL		AIR	50				57	2001 34572000
GENERAL	GENERAL		AIR	50				57	2001 34574000
GENERAL	GENERAL		AIR	50				57	2001 34576000
GENERAL	GENERAL		AIR	50				57	2001 34578000
GENERAL	GENERAL		AIR	50				57	2001 34580000
GENERAL	GENERAL		AIR	50				57	2001 34582000
GENERAL	GENERAL		AIR	50				57	2001 34584000
GENERAL	GENERAL		AIR	50				57	2001 34586000
GENERAL	GENERAL		AIR	50				57	2001 34588000
GENERAL	GENERAL		AIR	50				57	2001 34590000
GENERAL	GENERAL		AIR	50				57	2001 34592000
GENERAL	GENERAL		AIR	50				57	2001 34594000
GENERAL	GENERAL		AIR	50				57	2001 34596000

UNIT: ALL DEVELOPMENT CENTER, CHINA'S APAC, N.Y.  
SECTION: TAILORING KATZ

NEUTRONIC PAPERS - 21 CAY

PART CLASS	TEST MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	MEANS	YR OF DATA	INDEX	CRQ'S PER MO
PART DESCRIPTION										
100 DYNAMOTOR										
MOTOR-POWER			QUAL TEST		52.2357		-0.26	28	212	3454000
MOTOR-STABILIZER-DRIVE	FLIGHT-CONTROLS-880	AIR	150P					66	2360	3454000
MOTOR-STABILIZER-DRIVE	FLIGHT-CONTROLS-880	AIR	160P					65	2360	3454000
MOTOR-STABILIZER-DRIVE	FLIGHT-CONTROLS-880	AIR	300P					66	2365	3454000
MOTOR-STABILIZER-DRIVE	FLIGHT-CONTROLS-880	AIR	400P					66	2365	3454000
MOTOR-STABILIZER-DRIVE	FLIGHT-CONTROLS-880	AIR	470P					66	2365	3454000
MOTOR-STABILIZER-DRIVE	FLIGHT-CONTROLS-880	AIR	960P					65	2365	3454000
MOTOR-VEL-GEN	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR GND	18.5378		25.0127		-0.631	66	216	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	7 P					66	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	7 P					65	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	9 P					66	2360	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	9 P					66	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	11 P					66	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	11 P					66	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	140P					65	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	140P					65	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	140P					66	2362	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	150P					65	2365	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	16 P					66	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	180P					66	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	220P					64	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	240P					65	2365	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	250P					66	2365	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	250P					66	2365	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	300P					66	2365	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	300P					65	2362	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	320P					65	2362	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	410P					65	2364	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	430P					66	2365	3461200
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-7-7-1318	AIR	750P					66	2360	3461200
MOTOR-GENERATORS	CONVERTER-AIR-LATA-COMPUTER	SMP						61	2410	3465000
MOTOR-GENERATORS		AIR						62	1093	3465000
MOTOR-GENERATORS		SIM GND AIR						64	1131	3465000
MOTOR-GENERATORS		AIR						61	1066	3465000
MOTOR-GENERATORS		AIR						62	1093	3465000
MOTOR-GENERATORS		AIR						62	1093	3465000
MOTOR-GENERATORS		GND						64	1130	3465000
MOTOR-GENERATORS		AIR						62	1093	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						64	2208	3465000
MOTOR-GENERATORS		AIR						61	1094	3465000
MOTOR-GENERATORS		AIR						6		
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
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MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62	1099	3465000
MOTOR-GENERATORS		AIR						62		

PART CLASS	532 MOTORS AND MOTOR GENERATORS	UPPER	FAVOR	POPULATION	PERCENT	DATA INDEX	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	WAVE	PART NUMBER	OF DATA INDEX	REF NO
00 DYNAMOTOR							
MOTOR-GENERATORS	SIN 32R	16.1012	38.1717	734	.20841	62	1195
MOTOR-GENERATORS	AIR	35.7142	138.917	2	.828	62	1099
MOTOR-GENERATORS	AIR	52.6315	204.721	4	.019	62	1093
MOTOR-GENERATORS	SIN AIR	86.2217	159.936	54	.05199	64	1190
MOTOR-GENERATORS	SIN AIR	106.157	412.919	18	.00942	64	1151
MOTOR-GENERATORS	AIR	120.098	145.218	60	.008	62	1099
MOTOR-GENERATORS	AIR	123.7				61	2110
MOTOR-GENERATORS	SIN AIR	135.135	250.667		.037	63	1103
MOTOR-GENERATORS	AIR	181.818	483.845	3	.011	62	1093
MOTOR-GENERATORS	AIR	200	777.94	40	.009	62	1095
MOTOR-GENERATORS	AIR	265.936	322.403	23	.177	62	1079
MOTOR-GENERATORS	AIR	714.2				57	611
MOTOR-GENERATORS	GRD	5000	6246.95		.0072	62	1141
400CPS MOBILE UNIT							
MOTOR-OVEN-BLOWER	EQUIPMENT/FURNISHINGS.000	40P				66	2365
MOTOR-OVEN-BLOWER	EQUIPMENT/FURNISHINGS.000	40P				65	2365
MOTOR-OVEN-BLOWER	EQUIPMENT/FURNISHINGS.000	40P				64	2365
MOTOR-OVEN-BLOWER	EQUIPMENT/FURNISHINGS.000	40P				62	2362
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION.331C/373C	280P				65	2363
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION.727	350P				64	2363
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION.727	540P				66	2363
MOTOR-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION.727	850P				65	2363
MOTORS	ANGLE-POSITION.TOSS-BOMB-COMPUTER	SIN GRD AIR	113.13	139	.02	63	1117
MOTORS	ACTUATOR.DRGR-HYDRAULIC.PETAL	AIR	460.22	9	.052	62	1093
MOTORS	(STORAGE)	AIR	93.1472	48	.02472	65	1227
MOTORS	COOLING-TRANSMITTER.ALT-60	AIR	15.619		.14892	63	211
MOTORS	PITCH-TRIM-ACTUATOR	AIR	192.847	31	.01194	63	1111
MOTORS	ANGLE-A-DRIVE-RADAR	AIR	93.1472	48	.02472	65	1227
MOTORS	POWER-UNIT-PROPELLER-AIRCRAFT	SIN GRD AIR	82.9765	195	.02775	64	1181
MOTORS	CHAIM-RETRACT.BOMB-NAVIGATION-SYSTEM	GRD	6990.92	40	3.2937	64	1191
MOTORS	TOS-BOMB-COMPUTER	AIR	90.4535	948	.0254	61	1669
MOTORS	PUMP-SUCTION-BOOST.	SIN GRD AIR	192.847	31	.01194	63	1111
MOTORS	NO-2-HYDRAULIC-SYSTEM	AIR	115.13	139	.02	63	1117
MOTORS	TIME-RANGE-DRIVE-ASSEMBLY-RADAR	GRD	1420.18		.141	57	212
MOTORS	PUMP-ELECT.NO-3-HYDRAULIC-SYSTEM	SIN GRD AIR	82.9765	195	.02775	64	1181
MOTORS	TOSS-BOMB-COMPUTER	AIR	46.5736	96	.04944	63	1227
MOTORS	TIME-RANGE-DRIVE-ASSEMBLY.	SIN GRD AIR	119.13	139	.02	63	1117
MOTORS	ANGLE-POSITION.RADAR	AIR	110.172	160	.0209	62	1095
MOTORS	PUMP-SUCTION.NO-1-HYDRAULIC-SYSTEM	GRD	33.371		.049	57	212
MOTORS	ANGLE-POSITION.RADAR	AIR	30.7013	13	.075	62	1093
MOTORS	PUMP-SUCTION.NO-1-HYDRAULIC-SYSTEM	SIN GRD AIR	82.9765	195	.02775	64	1181
MOTORS	PUMP-SUCTION.NO-1-HYDRAULIC-SYSTEM	AIR	93.1472	48	.02472	65	1227

ROMI AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1962

PART CLASS	22 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS RPT SUCCE REF NO
PART DESCRIPTION									
-LC DYNAMOTOR									
MOTORS	PUMP-SUNCTION-BBOSI-ELECT, NC-2-HYDRAULIC-SYSTEM	AIR	0	0	93.1572	58	.02472	65	1227 34772000
MOTORS		AIR	0	0	227.98	80	.0101	62	1095 34774000
MOTORS		LAB	0	0	46.052	5	.05	63	1273 34776000A
MOTORS	ACTUATOR-DOOR-HYDRAULIC-PETAL	AIR	0	0	59.9834	76	.04113	66	1250 34778000A
MOTORS		LAB	.15	.15				61	212 34780000
MOTORS	BLOWER	GRD	.121	.121				62	2047 34782000
MOTORS		LAB	.2	.2				63	1138 34784000
MOTORS		LAB	.2	.2				62	2022 34786000
MOTORS		LAB	.3	.3				63	1138 34788000
MOTORS		LAB	.357	.357				62	2232 34790000
MOTORS		LAB	.63	.63				63	1138 34792000
MOTORS		GRD	1.0726	1.0726	2.35423		2.79	57	212 34794000
MOTORS	FSA-14-COMMUNICATION-CONSOLE	GRD	2.2839	2.2839	2.54254	986	17.255	63	1164 34796000
MOTORS		GRD	2.084	2.084				63	2047 34798000
MOTORS		GRD	2.11374	2.11374	5.62498		.94619	66	21 34800000
MOTORS		GRD	2.64	2.64				63	2047 34802000
MOTORS	FRC-42-TRANSMITTER	GRD	2.64285	2.64285	3.29165	800	14	63	1164 34804000
MOTORS		GRD	3.1	3.1				61	212 34806000
MOTORS		GRD	3.90117	3.90117	8.68764		.769	57	212 34808000
MOTORS	FAN	GRD	4.28954	4.28954				61	2218 34810000
MOTORS		GRD	4.98318	4.98318	13.2609	356	.40135	64	1176 34812000
MOTORS		GRD	5.44069	5.44069	9.55032		1.1028	66	21 34814000
MOTORS		GRD	5.45454	5.45454	8.08252		2.20	61	212 34816000
MOTORS		GRD	5.85	5.85				61	212 34818000
MOTORS		GRD	5.8651	5.8651	11.7207		.682	57	212 34820000
MOTORS		GRD	6.135	6.135	23.7466		.16380	66	21 34822000
MOTORS		GRD	6.52912	6.52912	11.4608		.91896	66	21 34824000
MOTORS		GRD	6.67	6.67				63	2047 34826000
MOTORS	FPS-15-RACAR	GRD	6.67761	6.67761	7.91253	522	9.135	63	1164 34828000
MOTORS		GRD	6.78	6.78				62	2047 34830000
MOTORS		GRD	6.894	6.894				63	2047 34832000
MOTORS	FPS-23-AIRCRAFT-ALARM	GRD	6.90205	6.90205	7.69034	1217	21.298	63	1164 34834000
MOTORS		GRD	7.029	7.029				63	2047 34836000
MOTORS		GRD	9.47	9.47				63	2240 34838000
MOTORS		GRD	11.2701	11.2701	43.8374		.08873	66	21 34840000
MOTORS		GRD	15.652	15.652	26.5919		.08825	66	21 34842000
MOTORS		GRD	15.7346	15.7346	40.5415		.13128	66	21 34844000
MOTORS		GRD	17.71	17.71				63	2047 34846000
MOTORS		AIR	18.9	18.9				57	211 34848000
MOTORS		SIM AIR	19.2307	19.2307	74.8019	272	.052	63	1108 34850000
MOTORS		AIR	20	20	77.794	2	.05	62	1093 34852000
MOTORS		SMP	22.5	22.5				61	212 34854000
MOTORS			23	23				58	2041 34856000
MOTORS	DYNAMOTORS	AIR	23.54	23.54				57	211 34858000

603-1-2000

PART CLASS	532 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART PROPORTION	VE OF DATA	CROSS INDEX
PART DESCRIPTION	ENVIRONMENT				HOURS	RPT	SACE REF NO
MOTORS	AIR	23.0				57	21.1
MOTORS	AIR	22		97.2525	22	.94	34000000
MOTORS	GEN	25.47				61	201
MOTORS	AIR	20.409		92.0971	204	.176	34004000
MOTORS	HELL	20.0017		112.419	40	.0346	34006000
MOTORS	GRD	30				57	21.2
MOTORS	AIR	30.0764		90.3753	200	.23274	34010000
MOTORS	AIR	31.5182		21.1945	100	.22392	34014000
MOTORS	AIR	32.258		85.0455	272	.042	34018000
MOTORS	AIR	32.7048		87.2508	14	.041	34022000
MOTORS	AIR	35				62	1093
MOTORS	AIR	37.5				57	21.1
MOTORS	AIR	42.1032		94.1426	20	.045	34026000
MOTORS	AIR	50				58	2018
MOTORS	AIR	50		194.483	6	.02	34030000
MOTORS	AIR	50		194.482	2	.02	34034000
MOTORS	AIR	51.3247		102.167		.0724	34038000
MOTORS	AIR	51.5226		67.8212	400	.44248	34042000
MOTORS	AIR	53				62	1093
MOTORS	AIR	53.3333		104.58	50	.075	34046000
MOTORS	AIR	55.5335		123.718		.034	34050000
MOTORS	AIR	56.4274		79.1803	75	.28335	34054000
MOTORS	AIR	58.9761		105.397	50	.08478	34058000
MOTORS	GRD	60				57	21.1
MOTORS	AIR	64.5161		171.087	136	.031	34062000
MOTORS	SIM	78.7401		121.312	430	.127	34066000
MOTORS	AIR	83.3333		99.5007	171	.672	34070000
MOTORS	GRD	100				57	21.1
MOTORS	AIR	101.694		150.691	32	.118	34074000
MOTORS	GRD	102				62	1093
MOTORS	AIR	109.5				58	21.4
MOTORS	AIR	110.041		163.133	25	.109	34078000
MOTORS	AIR	131				62	1093
MOTORS	AIR	133.333		354.82	6	.015	34082000
MOTORS	AIR	135				62	1093
MOTORS	AIR	146.341		256.83	11	.041	34086000
MOTORS	AIR	150				62	1093
MOTORS	HELL	166.666		256.777	240	.06	34090000
MOTORS	MSL	170				65	1215
MOTORS	GRD	200		264.547		.110	34094000
MOTORS	AIR	200				58	21.2
MOTORS	AIR	210.052		301.995	40	.06665	34098000
MOTORS	SIM	211.267		370.846	92	.0284	34102000
MOTORS	AIR	242.424		593.778	690	.033	34106000



# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 512 MOTORS AND MOTOR GENERATORS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER PART LIMIT	PART LATION	YR 65 DAY INDEX	CROSS RPT SPACE REF NG
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-00 DYNAMOTOR

MOTORS	CONTROL-INDICATOR.	SIM GRD AIR 248.138	552.588	195	.01269	54	1181	34948000A
DOPPLER-NAVIGATION-SYSTEM								
MOTORS	PITCH-TRIM-ACTUATOR	AIR	250			57	211	34992000
MOTORS		GRD	285.714	444.096	1100	.028		63 1159 34952000A
MOTORS		MSL	292			57	212	34954000
MOTORS		GRD	315.391	447.695	1940	.04756		62 1159 34954000A
MOTORS	BLOWER-NOSE-COMPARTMENT. EQUIPMENT-COOLING	AIR	316.07	460.927	76	.04113		66 1250 34958000
MOTORS		GRD	333			57	211	34958000
MOTORS		MSL	333.333	1296.56		.003		57 212 34962000
MOTORS		AIR	359.342	424.609	812	.17532		64 1179 34964000
MOTORS	EQUIPMENT-COOLING	SIM GRD AIR 375	835.1	139	.008	63	1117	34964000
DOPPLER-NAVIGATION-SYSTEM								
MOTORS	BLOWER-NOSE-COMPARTMENT. EQUIPMENT-COOLING	AIR	402.553	461.857	946	.22854		65 1228 34968000
MOTORS	SERVO/GEAR-TRAIN	AIR	583.333	836.666	7	.024		62 1093 34970000
MOTORS		GRD	630			57	213	34972000
MOTORS		AIR	773			57	211	34974000
MOTORS		MSL	800	1598.71		.005		65 1244 34976000
MOTORS	BOOM-HEIST	SUB	833.333	1665.32	30	.0048		65 1244 34976000
MOTORS		GRD	869.565	2314.04	150	.0023		62 1159 34980000A
MOTORS		GRD	993.377	2212.18	242	.00302		61 1069 34982000A
MOTORS		GRD	1092.89	2908.36	121	.00183		61 1069 34984000A
MOTORS	FRACTIONAL-HORSEPOWER	GRD	1176.47	3130.76	150	.0017		62 1159 34986000
MOTORS		AIR GND	1670			.0017		61 212 34988000
MOTORS		GRD	2580.64	3157.12	121	.00133		61 1069 34990000A
MOTORS		GRD	2727.27	4304.84	300	.0033		62 1159 34992000A
MOTORS	FRACTIONAL-HORSEPOWER.	GRD	2800	4708.36	200	.0025		63 1159 34994000A
MOTORS		AIR	3400	4951.26	16	.005		59 1110 34996000
MOTORS		GRD	5625	8878.75	100	.0016		63 1159 34998000A
MOTORS		GRD	9	1.82833	150	1.2594		65 1216 35000000
FRACTIONAL-HORSEPOWER								
MOTORS.	FRACTIONAL-HORSEPOWER. 401 CPS	LAB	336.7	672.857		.01188		62 1136 35012000
MOTORS		MSL	.02					65 2440 35004000
MOTORS		MSL	.02					65 2440 35006000
MOTORS		MSL	6	605.947		.0038		64 1230 35008000A
MOTORS	(STORAGE)	MSL	6	495183	1253	4.65		65 1254 35010000
MOTORS		AIR	6	76.7533	4	.03		62 1099 35012000
MOTORS		AIR	6	440.52	40	.001		62 1095 35014000A
MOTORS		AIR	6	53.5488	2	.043		62 1099 35016000
MOTORS	(STORAGE)	AIR	6	767.533	1	.003		62 1099 35018000
MOTORS		AIR						
MOTORS		AIR						
MOTORS		AIR						

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS	532 MOTORS AND MOTOR GENERATORS	UPPER 90 PERCENT LIMIT	FAILURE RATE	PART LATION	YR OF DATA INDEX	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	ENVIRONMENT RATE	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT
-00 DYNAMOTOR						
MOTORS-AC		SAT	0	177.129	11	62 1073 35020000
MOTORS-AC		AIR	0	1121.2	1	62 1077 35022000
MOTORS-AC		AIR	9.1991	3.60953	1	65 2210 35024000
MOTORS-AC		AIR	20.8333	46.3944	10	62 1077 35026000
MOTORS-AC		AIR	21.0843	28.7167	30	62 1077 35028000
MOTORS-AC		AIR	26.5486	59.1221	8	62 1077 35030000
MOTORS-AC		GRD	30			63 1696 35032000
MOTORS-AC		AIR	31.25	69.3916	1	62 1077 35034000
MOTORS-AC		SMP	41.3			U 2843 35036000
MOTORS-AC		SMP	41.3			61 2110 35038000
MOTORS-AC		AIR	66.6466	259.313	1	62 1077 35040000
MOTORS-AC		AIR	79.6013	84.752	112	62 1077 35042000
MOTORS-AC		AIR	81.4			61 2110 35044000
MOTORS-AC		AIR	81.4			U 2843 35046000
MOTORS-AC		AIR	90.909	353.609	2	62 1077 35048000
MOTORS-AC		AIR	95.238	232.442	9	62 1077 35050000
MOTORS-AC		AIR	119.17	157.789	43	62 1077 35052000
MOTORS-AC		AIR	142.827	555.671	4	62 1077 35054000
MOTORS-AC		AIR	159.574	226.514	4	62 1077 35056000
MOTORS-AC		AIR	181.816	319.134	4	62 1077 35058000
MOTORS-AC		AIR	208.333	320.971	8	62 1077 35060000
MOTORS-AC		AIR	214.283	477.2	1	62 1077 35062000
MOTORS-AC		AIR	214.283	477.2	4	62 1077 35064000
MOTORS-AC		AIR	236.042	353.152	3	62 1077 35066000
MOTORS-AC		AIR	300	669.08	3	62 1077 35068000
MOTORS-AC		AIR	452.38	616.727	4	62 1077 35070000
MOTORS-AC		AIR	500	1944.85	1	62 1077 35072000
MOTORS-AC		AIR	518.518	668.147	7	62 1077 35074000
MOTORS-AC-BLOWER		LAB	0	209.327	21	64 1233 35076000
MOTORS-AC-BLOWER		LAB	0	532.573	2	64 1154 35078000
MOTORS-AC-BLOWER		AIR	62.0669	71.8758	67	62 1077 35080000
MOTORS-AC-BLOWER		AIR	88.2352	152.883	13	62 1077 35082000
MOTORS-AC-BLOWER		AIR	1.05318	1.77094		63 2210 35084000
MOTORS-AC-CLASS-A-INSULATED			1.60472	2.97654		63 2210 35086000
MOTORS-AC-CLASS-A-INSULATED			0	1813.07		64 1100 35088000
MOTORS-AC-GEAR-REDUCED		GRD	0	529.548	8	63 2210 35090000
MOTORS-AC-GEAR-REDUCED		SIM AIR	0	529.548	8	63 2210 35092000
MOTORS-AC-GEAR-REDUCED		SIM AIR	60.35	234.743	15	64 1130 35094000
MOTORS-AC-GEAR-REDUCED		SIM AIR	0	278.091	6	64 1130 35096000
MOTORS-AC-GEAR-REDUCED		SIM AIR	0	1161.72	4	64 1130 35098000
MOTORS-AC-GEAR-REDUCED		SIM AIR	0	287.825	132	64 1130 35100000
MOTORS-AC-GEAR-REDUCED		AIR	115.909	136.411	45	62 1077 35102000
MOTORS-AC-GEAR-REDUCED		AIR	134.92	187.21	20	62 1077 35104000
MOTORS-AC-GEAR-REDUCED		AIR	122.715	168.946	36	62 1077 35106000
MOTORS-AC-GEAR-REDUCED		AIR	70.1754	140.237	9	62 1077 35108000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35110000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35112000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35114000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35116000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35118000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35120000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35122000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35124000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35126000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35128000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35130000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35132000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35134000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35136000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35138000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35140000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35142000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35144000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35146000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35148000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35150000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35152000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35154000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35156000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35158000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35160000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35162000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35164000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35166000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35168000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35170000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35172000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35174000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35176000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35178000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35180000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35182000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35184000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35186000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35188000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35190000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35192000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35194000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35196000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35198000
MOTORS-AC-GEAR-REDUCED		AIR	0			62 1077 35200000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	332 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
00 DYNAMOTOR									
MOTORS-AC-10HP		ENVIRONMENT-CONTROL	AIR	213.75	473.15	14,100	14,100	64	2210 35120000
MOTORS-AC-115V-3-PHASE-40 CPS				109.889	192.542	60	0.947	66	1236 35110000A
MOTORS-AC-1200RPM-440V				1.08932	4.23714		9.18	64	2210 35112000
MOTORS-AC-20HP-440V				1.287	1.98283		7.77	64	2210 35114000
MOTORS-AC-25HP-1800RPM				2.31481	6.16006		8.64	64	2210 35116000
MOTORS-AC-25HP-1800RPM				2.36231	3.24857		3.245	64	2210 35118000
MOTORS-AC-4-POLE				6.469				63	2210 35120000
MOTORS-AC-4-POLE-3-PH				6.333				63	2210 35122000
MOTORS-AC-4-POLE-CP				3.01027	3.62584		16.942	63	2210 35124000
MOTORS-AC-4-POLE-DP				5.7081	6.79391		10.141	63	2210 35126000
MOTORS-AC-400CPS			GRD	0	184.503		0.1248	64	1180 35128000
MOTORS-AC-400CPS-115V			GRD	0	62.0581		0.3708	64	1180 35130000
MOTORS-AC-600CPS-200V			GRD	5882.35	22860.5	33	0.00017	66	1245 35132000A
3-PHASE-4-1/2HP-10500RPM		AUXILIARY-HYDRAULIC-PUMP-DRIVE		0				63	2210 35134000
MOTORS-AC-3HP-1800RPM				2.68688	3.38624		12.374	64	2210 35136000
MOTORS-AC-SHP-1800RPM			AIR	0	39.7		0.058	61	1066 35138000
MOTORS-AC-AND-DC			AIR	0	460.52		0.005	61	1066 35140000
MOTORS-AC-AND-DC			AIR	0	9.71561		0.237	61	1066 35142000
MOTORS-AC-AND-DC			AIR	5.33333	14.1928		0.375	61	1066 35144000
MOTORS-AC-AND-DC			AIR	50	111.346		0.06	61	1066 35146000
MOTORS-AC-AND-DC			AIR	55.5555	147.841		0.036	61	1066 35148000
MOTORS-AC-AND-DC			AIR	71.4285	125.382		0.084	61	1066 35150000
MOTORS-AC-AND-DC			AIR	191.78	273.726		0.073	61	1066 35152000
MOTORS-AC-AND-DC			AIR	307.392	499.796		0.026	61	1066 35154000
MOTORS-AC-GEAR-REDUCED-1/20HP-12000RPM			GRD	28.5132	46.9938	56	0.491	64	1244 35156000A
MOTORS-AC-POLYPHASE				2.36686	2.49829		243.36	62	2210 35158000
MOTORS-AC-POLYPHASE				3.73931	3.98387		112.32	62	2210 35160000
MOTORS-AC/DC-PSMER-SET				2.65604	5.91483		1.1292	62	2208 35162000
MOTORS-AIR-FLOW-COOLING-PNEUMATIC			SHP	90.0225	158.021	40	0.06605	65	1273 35164000
MOTORS-AIR-TURBINE-PNEUMATIC			AIR	66.8656	259.313	68	0.015	63	1114 35166000
MOTORS-AIR-TURBINE-PNEUMATIC			AIR	249.205	319.637	160	0.11637	65	1198 35168000
MOTORS-AIR-TURBINE-PNEUMATIC			AIR	284.09	371.718	102	0.088	63	1114 35170000
MOTORS-AIR-TURBINE-PNEUMATIC			AIR	386.1	446.858	50	0.12691	62	1170 35172000
MOTORS-AIR-TURBINE-PNEUMATIC			AIR	1155.93	1320.42	50	0.09476	63	1198 35174000
MOTORS-AIR-TURBINE-PNEUMATIC			AIR	1186.66	1364.69	59	0.072	63	1114 35176000
MOTORS-GLIDER			AIR	0	14.1263		0.163	61	1083 35178000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CPM LMTY	PART TYPE	PART TYPE	OF DATA INDEX	CROSS
PART DESCRIPTION	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT
.00 DYNAMOTOR							
MOTORS-BLOWER	LAB	.15				61 212	35100000
MOTORS-BLOWER	GEN	2.05				61 281	35100000
MOTORS-BLOWER	GRD	5.45454	8.08252		2.20	61 212	35100000
MOTORS-BLOWER	GRD	5.8451	11.7207		.682	57 212	35100000
MOTORS-BLOWER	MSL	12.5				57 211	35100000
MOTORS-BLOWER	MSL AIR	22.7272	88.9022	1	.044	63 1108	35100000
MOTORS-BLOWER	GRD	30				63 1098	35100000
MOTORS-BLOWER	GRD	60				57 211	35100000
MOTORS-BLOWER	AIR	70				62 2240	35100000
MOTORS-BLOWER	AIR	80				61 1068	35100000
MOTORS-BLOWER	AIR	85.7142	190.88		.035	61 1082	35100000
MOTORS-BLOWER	AIR	102				57 211	35100000
MOTORS-BLOWER	AIR GND	200				61 212	35100000
MOTORS-BLOWER	AIR	200				57 211	35100000
MOTORS-BLOWER	AIR	208.695	274.639		.115	61 1084	35100000
MOTORS-BLOWER	AIR GND	281.512	330.92		.238	60 1067	35100000
MOTORS-BLOWER	GRD	333.333	1296.56	1	.003	63 1102	35100000
MOTORS-BLOWER	GRD	558.823	761.839		.034	60 1067	35100000
MOTORS-BLOWER	AIR	599.594	631.611	1146	1.0357	67 1272	35100000
MOTORS-BLOWER	AIR	622.641	785.923		.053	60 1067	35100000
MOTORS-BLOWER	GRD	631.578	749.463		.095	60 1067	35100000
MOTORS-BLOWER	AIR	773				57 211	35100000
MOTORS-BLOWER	AIR	2800				57 211	35100000
MOTORS-BLOWER-AC (STORAGE)		0	.474137		4.836	60 238	35100000
MOTORS-BRUSH	LAB	30				61 1084	35100000
MOTORS-BRUSH	LAB	60				61 1086	35100000
MOTORS-BRUSH-TYPE-1000RPM	LAB	.005				62 2240	35100000
MOTORS-BRUSH-TYPE-1000RPM	LAB	.9				62 2240	35100000
MOTORS-BRUSH-TYPE-1000RPM	LAB	.4				62 2240	35100000
MOTORS-BRUSH-TYPE-1000RPM	LAB	85				62 2240	35100000
MOTORS-BRUSH-TYPE-2000RPM	LAB	.02				62 2240	35100000
MOTORS-BRUSH-TYPE-2000RPM	LAB	2.95				62 2240	35100000
MOTORS-BRUSH-TYPE-2000RPM	LAB	1				62 2240	35100000
MOTORS-BRUSH-TYPE-2000RPM	LAB	300				62 2240	35100000
MOTORS-BRUSH-TYPE-5000RPM	LAB	.12				62 2240	35100000
MOTORS-BRUSH-TYPE-5000RPM	LAB	22				62 2240	35100000
MOTORS-BRUSHLESS	LAB	10				61 1086	35100000
MOTORS-BRUSHLESS	LAB	20				61 1086	35100000
MOTORS-BRUSHLESS-1000RPM	LAB	.002				62 2240	35100000
MOTORS-BRUSHLESS-1000RPM	LAB	.4				62 2240	35100000
MOTORS-BRUSHLESS-1000RPM	LAB	.2				62 2240	35100000
MOTORS-BRUSHLESS-1000RPM	LAB	35				62 2240	35100000
MOTORS-BRUSHLESS-2000RPM	LAB	.008				62 2240	35100000
MOTORS-BRUSHLESS-2000RPM	LAB	1.55				62 2240	35100000
MOTORS-BRUSHLESS-2000RPM	LAB	.7				62 2240	35100000

ROML AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	232 MOTORS AND MOTOR GENERATORS	UPPER 90% LIMIT	PART POPULATION	YR OF DATA INDEX	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	PART HOURS	RPT RATE REF NO
1.00 DYNAMOTOR					
MOTORS-BRUSHLESS-2000RPM		150	LAB	62 2240	35270000
MOTORS-BRUSHLESS-5000RPM		.05	LAB	62 2240	35270000
MOTORS-BRUSHLESS-5000RPM		9	LAB	62 2240	35270000
MOTORS-BRUSHLESS-5000RPM		200		62 2219	35270000
MOTORS-CAMPI	ACTUATOR	35.5757	AIR	63 2114	35270000
MOTORS-CLUTCHED	SPIILER, ANTENNA, TOSS-BOMB-COMPUTER	191.794	SIM GRD AIR	64 1181	35280000
MOTORS-COMBINATION-AC/DC		2.3026		63 2208	35280000
MOTORS-CONTROL		53.1569	GRD	64 1210	35280000
MOTORS-D.C. POWER	(STORAGE)	.1	MSL	65 2440	35280000
MOTORS-DC	(STORAGE)	.058442		66 2531	35280000
MOTORS-DC		34.8878	AIR	62 2110	35290000
MOTORS-DC	(STORAGE)	.476137		66 258	35290000
MOTORS-DC	RADIO-CONTROL	127.822	SIM GRD AIR	63 1117	35290000
MOTORS-DC		56.1609	AIR	62 1099	35290000
MOTORS-DC	(STORAGE)	.495183	MSL	69 1254	35290000
MOTORS-DC		56.1609	AIR	62 1099	35300000
MOTORS-DC	RADIO-CONTROL	91.9201	SIM GRD AIR	64 1181	35302000
MOTORS-DC		1151.3	AIR	62 1099	35304000
MOTORS-DC		328.942	AIR	62 1099	35304000
MOTORS-DC	WINDSHIELD-WIPER PUMP	96.4641	AIR	63 1111	35306000
MOTORS-DC		.644998		63 2232	35310000
MOTORS-DC		3.38983		62 2210	35312000
MOTORS-DC		5.6	SHP	U 2M43	35314000
MOTORS-DC		5.6		61 2110	35316000
MOTORS-DC	YANEXIAL-FAN	14.2531		64 2210	35318000
MOTORS-DC		37.9297		62 1099	35320000
MOTORS-DC		33.3766	AIR	62 1099	35320000
MOTORS-DC		92.6119	AIR	62 1099	35322000
MOTORS-DC		33.5004	AIR	63 2114	35324000
MOTORS-DC		33.3333	AIR	62 1099	35326000
MOTORS-DC		129.856	AIR	62 1099	35328000
MOTORS-DC		126.721	AIR	62 1099	35330000
MOTORS-DC		98.6114	AIR	62 1099	35330000
MOTORS-DC		67.7966	AIR	62 1099	35332000
MOTORS-DC		110.124	AIR	62 1099	35334000
MOTORS-DC		130.629	AIR	62 1099	35336000
MOTORS-DC		86.2565	AIR	62 1099	35338000
MOTORS-DC		231.404	AIR	62 1099	35340000
MOTORS-DC		95.238	AIR	62 1099	35342000
MOTORS-DC		106.382	AIR	62 1099	35344000
MOTORS-DC		197.334	AIR	62 1099	35346000
MOTORS-DC		112.018	AIR	62 1099	35348000
MOTORS-DC		123.106	AIR	62 1099	35350000
MOTORS-DC		182.397	AIR	62 1099	35352000
MOTORS-DC		142.857	AIR	62 1099	35354000
MOTORS-DC		360.164	AIR	62 1099	35356000
MOTORS-DC		184	AIR	U 2M43	35358000
MOTORS-DC		200.501	AIR	62 1099	35360000
MOTORS-DC		233.333	AIR	62 1099	35362000
MOTORS-DC		250	AIR	62 1099	35364000
MOTORS-DC		285.714	AIR	62 1099	35366000

# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 532 MOTORS AND MOTOR GENERATORS  
PART DESCRIPTION FUNCTIONAL APPLICATION

00 DYNAMOTOR

PART DESCRIPTION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA	CRBS INDEX
MOTORS-DC	AIR	333.333	1296.56	1	.003	62	1099 35340000
MOTORS-DC	AIR	554.957	474.542	2	.119	62	1099 35340000
MOTORS-DC	AIR	1000	2661.15	1	.002	62	1099 35340000
MOTORS-DC-BLOWER	AIR	120.689	202.946	14	.058	62	1099 35340000
MOTORS-DC-BLOWER	AIR	188.311	209.978	24	.77	62	1099 35340000
MOTORS-DC-COMPOUND	GRD	5	1132.9		.00202	64	1180 35370000
MOTORS-DC-DRIVE	GRD	5				63	1098 35370000
MOTORS-DC-MIL-M-ER09	STM AIR	250	972.425	66	.004	64	1139 35374000
MOTORS-DC-NON-BLOWER	AIR	16.6666	64.8283	9	.06	62	1093 35376000
MOTORS-DC-NON-BLOWER	AIR	49.7881	60.4507	43	.444	62	1099 35378000
MOTORS-DC-NON-BLOWER	AIR	183.098	267.013	6	.071	62	1099 35380000
CONTINUOUS							
MOTORS-DC-NON-BLOWER	AIR	38.9461	46.9845	37	.873	62	1099 35382000
INTERMITTENT							
MOTORS-DC-PULSING	GRN	31				62	1078 35384000
MOTORS-DC-SMALL	AIR	50				62	2240 35386000
MOTORS-DC-2-15HP	LAB	8	537.99		.00428	65	2210 35388000
MOTORS-DC-27-5/10V	GRD	32.9149M	86.2609M	15	.0617M	66	1252 35390000
MOTORS-DC-27HP-1800RPM	MSL	8	420.882		.00548	63	2210 35392000
MOTORS-DC-174HP-28V		8.3814	11.4155		3.3564	61	2210 35394000
MOTORS-DC-1CHP-140VDC	AIR	2.43055	2.98544		17.280	63	2210 35396000
MOTORS-DC-EXCITATION	AIR	670.016	1088.33	31	.01194	63	1111 35398000
MOTORS-DRIVE	AIR	8	192.447	31	.01194	63	1111 35400000
MOTORS-DRIVE							
MOTORS-DRIVE	AIR	8	192.847	31	.01194	63	1111 35402000
MOTORS-DRIVE	AIR	8	192.847	31	.01194	63	1111 35404000
MOTORS-DRIVE	AIR	32.258	125.474	136	.031	63	1114 35406000
MOTORS-DRIVE	AIR	83.752	325.77	31	.01194	63	1111 35408000
MOTORS-DRIVE	AIR	136.363	179.451	204	.176	63	1114 35410000
MOTORS-DRIVE	AIR	154.362	204.304	100	.149	63	1114 35412000
MOTORS-DRIVE	AIR	171.03	219.382	100	.16956	63	1198 35414000
MOTORS-DRIVE	AIR	181.23	220.518	100	.25382	65	1198 35416000
MOTORS-DRIVE	SHR	1172.7	1768.52	40	.00938	65	1223 35418000
MOTORS-DRIVE-WITH-SERVO	AIR	25.7798	57.4099	100	.11637	65	1198 35420000
MOTORS-DRIVE-WITH-SERVO	AIR	25.7798	57.4099	100	.11637	65	1198 35422000
MOTORS-DRIVE-WITH-SERVO	AIR	34.2721	66.908	100	.11637	65	1198 35424000
MOTORS-DRIVE	SHR	649.35	1.4-0.1	9	.00308	61	1131 35426000
MOTORS-ELECTRIC		.777	.403257		5.71	63	2111 35428000
MOTORS-ELECTRIC	AIR	2.35P			7.8919	63	2210 35430000
MOTORS-ELECTRIC		6.72784	6.91615		322.94	62	2210 35432000
SINGLE-PHASE							
3-PHASE-15HP		22.5946	50.5393		.13719	63	2210 35434000
MOTORS-ELECTRIC-AC		10.2713	12.0448		6.7177	63	2210 35436000

WOMI AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	112 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA	CROSS REF NO
PART DESCRIPTION									
CO DYNAMOTOR									
MOTORS-ELECTRIC-AC- SINGLE-PHASE				2.76				62	2210 35440000
MOTORS-ELECTRIC-AC-10HP				1.09706	2.19235		3.6461	63	2210 35442000
MOTORS-ELECTRIC-AC-10HP				2.12917	4.74157		1.4090	64	2210 35444000
MOTORS-ELECTRIC-AC-20HP- 440V				2.77777	6.18322		1.08	64	2210 35446000
MOTORS-ELECTRIC-AC-3HP				2.31287	3.75088		3.4589	63	2210 35448000
MOTORS-ELECTRIC-DC- REVERSIBLE		(STORAGE)	PSI	*	.403965		5.7	65	2460 35450000
MOTORS-ELECTRIC-MPIN. DRIP-PROOF				2.34				62	2210 35452000
MOTORS-ELECTRIC-POLYPHASE				.432115	.457746		1173.3	62	2210 35454000
MOTORS-ELECTRIC-POLYPHASE				.0861				63	2210 35456000
MOTORS-ELECTRIC-POLYPHASE				4.16452	5.44761		93.088	62	2210 35458000
MOTORS-ELECTRIC-POLYPHASE				8.61929	7.24582		31.573	61	2210 35460000
MOTORS-ELECTRIC-POLYPHASE- SQUIRREL				5.56709	5.96011		59.482	61	2210 35462000
MOTORS-ELECTRIC-STARTER			AIR	1.83P				65	2590 35464000
MOTORS-ELECTRIC-STARTER			AIR	2.87P				65	2590 35466000
MOTORS-ELECTRIC-1HP				4.3559	5.07602		17.218	63	2210 35470000
MOTORS-ELECTRIC-15HP				43.0802	86.091		.09235	63	2210 35472000
MOTORS-ELECTRIC-3-PHASE				1916.37	2342.44		.02296	63	2210 35474000
MOTORS-ELECTRIC-3HP				1.4				61	2210 35476000
MOTORS-ELECTRIC-3HP				2.31287	3.75088		3.4589	62	2210 35478000
MOTORS-ELECTRIC-7.5HP				1.2				61	2210 35480000
MOTORS-ELECTRIC-7.5HP				1.65874	3.0937		1.8086	62	2210 35482000
MOTORS-ELECTRIC-7.5HP				3.07125	4.47882		4.2328	62	2210 35484000
MOTORS-ELECTRIC-H.I			LAB	5.84				65	2324 35486000
MOTORS-ELECTRIC-100			AIR	100				U	2843 35488000
MOTORS-ELECTRIC-200			AIR	200				U	2843 35490000
P.F. AMPLIFIER					.05629		42.413	66	2524 35492000A
(STOPAGE)				*	7.43974		.3095	66	2521 35494000A
(STORAGE)				*	6.68971		.3442	66	2521 35496000A
(STORAGE)								62	2240 35498000
MOTORS-GENERAL			LAB	.15				62	2240 35500000
MOTORS-GENERAL			SHP	5.84				62	2240 35502000
MOTORS-GENERAL			AIR	141				62	2240 35504000
MOTORS-GENERAL			GRD	37				63	1098 35506000
MOTORS-GYROS			GEN	70.7				61	1079 35508000
MOTORS-GYROS-SPIN			AIR GND	2.97619	11.5764		.336	62	1087 35510000
MOTORS-GYROS-SPIN			AIR GND	3.28947	12.795		.304	62	1087 35512000
MOTORS-GYROS-SPIN			AIR GND	15.1898	26.6635		.315	61	1087 35514000A
MOTORS-INDUCTION-GYRO-SPIN- 115-VAC-40/-CPS			GRD	*	508.3	6	.00453	65	1177 35516000A
MOTORS-INDUCTION-GYRO-SPIN- 115VAC-40CPS			AIR	3.95256	10.5183	2447	.506	66	1253 35518000A

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

PART CLASS	532 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								PPT	SRCE REF NO
.00 DYNAMOTOR									
MOTORS-INDUCTION-3PHASE-11200RPM-200V-400CPS-4-5/10-MH	HYDRAULIC-PUMP		LIFE ACC	33333.3	74231.1	3	.00009	66	1238 35518000A
MOTORS-INDUCTION-POLYPHASE	AMMUNITION-CORSTER	AIR		62.5	139-183	124	.048	63	1111 35520020
MOTORS-INDUCTION-POLYPHASE	FLAP-DRIVE	AIR		333.333	841.445	62	.024	63	1111 35522000
MOTORS-INDUCTION-POLYPHASE	CAMERA-DOOR-ACTUATOR	AIR		283.333	980.908	31	.512	63	1111 35524000
MOTORS-INSTRUMENT		AIR GND		13.8888	17.1493		2.08	57	212 35526000
MOTORS-INSTRUMENT		AIR		190.476	380.645		.021	61	1082 35528000
MOTORS-INSTRUMENT		AIR GND		556				61	212 35530000
MOTORS-INSTRUMENT		MSL		750	1183.83		.012	61	1081 35532000
MOTORS-INTEGRAL				.161			3.8712	64	2210 35534000
MOTORS-INTEGRAL				2.58953	10.0723		2.3617	63	2210 35536000
MOTORS-INTEGRAL-MORSEPOWER		GRC		0	.914093	300	2.519	65	1216 35538000
MOTORS-MULTIGARD				1.33				63	2210 35540000
MOTORS-OVEN-BLOWER	EQUIPMENT/FURNISHINGS-707-131	AIR		60P				66	2361 35542000
MOTORS-OVEN-BLOWER	EQUIPMENT/FURNISHINGS-707-331	AIR		130P				65	2361 35544000
MOTORS-OVEN-BLOWER	EQUIPMENT/FURNISHINGS-707-131	AIR		170P				66	2361 35546000
MOTORS-POWER		AIR		0	328.942		.007	61	1082 35548000
CONTINUOUS-DUTY									
MOTOR-POWER-INTERMITTENT-DUTY		AIR		15.3374	20.45		.326	61	1083 35550000
MOTORS-POWER-INTERMITTENT-DUTY		AIR		52.2648	66.751		.574	61	1084 35552000
MOTORS-POWER-INTERMITTENT-DUTY		AIR		128.571	202.942		.07	61	1082 35554000
MOTORS-POWER-CONTINUOUS-DUTY		AIR GND		31				59	212 35556000
MOTORS-POWER-INTERMITTENT-DUTY		HELI		9.17284	16.4288		.374	59	212 35558000
MOTORS-POWER-INTERMITTENT-DUTY		AIR		184.327	723.841		.736	59	212 35560000
MOTORS-POWER-INTERMITTENT-DUTY		AIR GND		764				61	312 35562000
MOTORS-RESOLVER		AIR GND		7.75183	36.1927		.129	61	1087 35564000
MOTORS-ROCKET		SAT		214.132	565.839		.00934	52	1136 35566000
SOLID-PROPELLANT-THRUST-CONTROL									
MOTORS-ROCKET-PITCH		SIM MSL		0	328.442	129	.00007	64	1143 35568000A
MOTORS-ROCKET-PITCH		MSL		0	230.60	20	.00001	64	1143 35570000A
MOTORS-ROCKET-SPIN		MSL		0	230.260	9	.00001	64	1143 35572000A
MOTORS-ROCKET-SPIN		SIM MSL		0	25584.4	176	.00009	64	1143 35574000A
MOTORS-ROTARY	ANTI-COLLISION-BEACON	AIR		0	20.1205	473	.11427	63	1228 35576000
MOTORS-ROTARY	ANTI-COLLISION-BEACON	AIR		5.79273	12.9	597	.51783	67	1272 35578000
MOTORS-ROTARY	ANTI-COLLISION-BEACON	AIR		68.4462	120.147	406	.08764	64	1179 35580000
MOTORS-ROTARY	ANTI-COLLISION-LIGHT	HELI		710.339	1121.23	40	.01267	66	1257 35582000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY, 1968

PART CLASS	122 MOTORS AND MOTOR GENERATORS	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION	PART HOURS	YR OF DATA	LOGS INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT
.00 DYNAMOTOR							
MOTORS-SCREW JACK		134.202	178.089	1171	61 1084	35380000	
MOTORS-SHAKER-RODDER-PEDAL		159.42	212.465	.138	59 1070	35980000	
MOTORS-STEPPER		*	40.3964	.037	66 1230	35980000	
MOTORS-STEPPER		*	53.5488	.043	63 1104	35990000	
MOTORS-STEPPER		*	22.1403	.104	64 1146	35992000	
MOTORS-STEPPER		*	43.4452	.053	63 1104	35994000	
MOTORS-STEPPER		37			63 1138	35290000	
MOTORS-STEPPER		44.4444	118.273	.045	64 1146	35998000	
MOTORS-STEPPER		442.5			57 211	35400000	
MOTORS-SYNCHRO-AND-SERVO		1.8			61 2M1	35402000	
MOTORS-SYNCHRONOUS		*	109.647	.021	61 1066	35604000	
MOTORS-SYNCHRONOUS		2.25288	3.65944	56	66 1251	35608000	
MOTORS-1-2	IGNITION-SYSTEM-TURBOJET-J-85	29.5221	62.588	.0189	64 1179	35608000	
MOTORS-1-5	IGNITION-SYSTEM-TURBOJET-J-85	48.1316	72.6268	.2284	65 1228	35610000	
MOTORS-TACHOMETER		20			65 1098	35612000	
MOTORS-TORQUE		*	22.3553	.103	65 1193	35614000	
MOTORS-TORQUE		12.4643	19.2033	.00229	64 1176	35616000	
MOTORS-TORQUE		83.3333	185.577	.036	63 2240	35618000	
MOTORS-TORQUE		100	288.97	.01	65 1193	35620000	
MOTORS-TORQUE-115-VAC		*	1924.9	.00151	65 1177	35622000	
400-CPS							
MOTORS-TORQUE-115-VAC		1.97628	7.68715	.306	66 1253	35624000	
400-CPS							
MOTORS-VEL-GEN		15.1			57 211	35626000	
MOTORS-VEL-GEN		16.2			57 211	35628000	
MOTORS-VEL-GEN		37.5			57 211	35630000	
MOTORS-VEL-GEN		74.5			57 211	35632000	
MOTORS-VIBRATOR		44.8154	53.9797	1.132	52 1078	35634000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	26.0869	58.0439	.115	61 1084	35636000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	60P			66 2361	35638000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	130P			66 2361	35640000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	260P			65 2361	35642000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	330P			66 2361	35644000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	1.759			61 2210	35646000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	3.12			63 2210	35648000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	4.01			62 2210	35650000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	4.92			64 2210	35652000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	1.35			63 2210	35654000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	1.76			62 2210	35656000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	*			63 2210	35658000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	4.01			63 2210	35660000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	5.25			62 2210	35662000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	7.26			62 2210	35664000	
MOTORS-WINDSHIELD-WIPER	ICE-AND-RAIN-PROTECTION-707.1318	7.5			63 2210	35666000	

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS	332 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LIMIT	PART POPULATION	YR OF DATA RPT	CROSS INDEX REF NO
PART DESCRIPTION								
.00 DYNAMOTOR								
MOTORS-400CPS			LAB	336.7	672.857		62 218	35670000
MOTORS-5HP				1.77			63 2210	35672000
MOTORS-5HP				2.43020	3.94759		64 2210	35674000
MOTORS-5HP				2.66			62 2210	35676000
MOTORS-5HP				3.94			61 2210	35678000
MOTORS-7.5HP				9.9385	10.5595		62 2210	35680000
MOTORS-7.5-1/2HP				1.56			63 2210	35682000
MOTORS-7-1/2HP				2.32			62 2210	35684000
MOTORS-FRACTIONAL-HP				6.58019	8.98206		61 2210	35686000
MOTORS-INDUCTION-2-PHASE-400CPS, 26V			SIM SAT		1027.94 2		65 1184	35688000
APIM-MOTOR								
STABILIZER-DRIVE			LIFE LAB	32.5936	39.5738	92	63 2440	35690000
STABILIZER-DRIVE			AIR	450P			64 2363	35692000
STABILIZER-DRIVE			AIR	840P			64 2363	35694000
STABILIZER-DRIVE			AIR	900P			65 2363	35696000
TACHOMETER				20			U 2001	35698000
TACHOMETER			GRD	23			U 2001	35700000
TACHOMETER			AIR	40			57 2001	35702000
TACHOMETER			AIR	65			61 2001	35704000
TACHOMETER			AIR	110			54 2001	35706000
TACHOMETER			AIR	130			55 2001	35708000
TACHOMETER			AIR	210			57 2001	35710000
TACHOMETER			AIR	520			57 2001	35712000
TACHOMETER			AIR	700			58 2001	35714000
TACHOMETER-INTegrating			AIR	420			61 2001	35716000
TACHOMETER-INTegrating			AIR	700			55 2001	35718000
.09 SERVO MOTOR								
GENERATOR-TACHOMETER			LAB	9	121.189	10	67 1267	35720000
TACHOMETER			SUB	.23	1.12654	84	U 2001	35722000
				1.7	1.97748		64 1261	35724000
BOMBING/NAVIGATION-EQUIPMENT			AIR	10			U 2001	35726000
			SHP	11			U 2001	35728000
			SHP	13.3			58 2001	35730000
			SHP	13.3			U 2443	35732000
GENERAL			AIR	14			61 2110	35734000
BOMBING/NAVIGATION-EQUIPMENT			AIR	14			U 2001	35736000
AUTOMATIC-FLIGHT-CONTROL			AIR	18			57 2001	35738000
			AIR	20			57 2001	35740000
			AIR	20			61 1068	35742000
GENERAL			GRD	22			U 2001	35744000
BOMBING/NAVIGATION-EQUIPMENT			AIR	25			61 2443	35746000
			AIR	34			U 2001	35748000
							61 2001	35750000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA  
JANUARY 1968

PART CLASS	332 MOTORS AND MOTOR GENERATORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART PPDU-LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRC	REF NO
-09 SERVO MOTOR									
AK12-MOD-0									
MOTORS			AIR	94.1				57	211 35752000
MOTORS			AIR	72.8				61	2110 35754000
MOTORS			AIR	72.8				U	2M43 35756000
MOTORS			AIR	80				56	2001 35758000
MOTORS			GEN	83.4				57	211 35763000
MOTORS			AIR	100				57	2001 35762000
MOTORS			AIR	130				58	2001 35764000
MOTORS			AIR	150				57	2001 35766000
MOTORS			AIR	232				57	211 35768000
MOTORS			AIR	240				U	2001 35770000
MOTORS			AIR	590				U	2001 35772000
MOTORS			SUB	-443131				60	1261 35774000A
MOTORS			AIR					62	1099 35776000
MOTORS			AIR					62	1099 35778000
MOTORS			AIR					62	1099 35780000
MOTORS			AIR					62	1099 35782000
MOTORS			AIR					62	1099 35784000
MOTORS			AIR					62	1099 35786000
MOTORS			AIR					62	1099 35788000
MOTORS			AIR					62	1099 35790000
MOTORS			SIM AIR					63	1103 35792000A
MOTORS			AIR					64	1146 35794000
MOTORS			LAB	-23				63	1138 35796000
MOTORS			SHP	6.91037				61	1131 35798000
MOTORS			GRD	10				7	1098 35800000
MOTORS			SUB	11.8				67	1042 35802000
MOTORS			AIR	20.4778				62	1099 35804000
MOTORS			AIR	23.2558				62	1093 35806000
MOTORS			AIR	39.4114				62	1099 35808000
MOTORS			LAB	40				61	1066 35810000
MOTORS			AIR	43.4782				62	1099 35812000
MOTORS			AIR	45.4545				64	1146 35814000
MOTORS			AIR	55.5555				59	1070 35816000
MOTORS			LAB	80				61	1086 35818000
MOTORS			AIR	171.428				62	1095 35820000
MOTORS			AIR	208.333				62	1099 35822000
MOTORS			AIR	292.207				62	1099 35824000
MOTORS			AIR	100				61	1068 35826000
26VAC-400-CPS									
MOTORS-GEAR		ANGLE-POSITION-RADAR	SIM GRD AIR					64	1141 35828000A
MOTORS-GENERATOR			AIR GRD	38.7931				61	1087 35830000
MOTORS-INSTRUMENT			AIR GND	14.2857				61	1087 35832000
MOTORS-40CCPS			GRD	306.278				64	1120 35834000
MOTORS-CONTROL			AIR GND	61.958				63	1221 35836000
POWER-TYPE			AIR	35.7142				61	1082 35838000

ROME AIR DEVELOPMENT CENTER, GRAFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS 332 MOTORS AND MOTOR GENERATORS

PART DESCRIPTION FUNCTIONAL APPLICATION

.04 SERVO MOTOR

POWER TYPE	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS REF NO
POWER-TYPE	57.0175	83.1485		.228	61	1064 3584000
POWER-TYPE	107.261	125.751		.432	61	1083 3584000
POWER-TYPE	10722.7	11625.4		.011	61	1081 3584000
SPEED-STABILITY	160P				63	2348 3584000
SPEED-STABILITY	500P				64	2363 3584000
SPEED-STABILITY	320P				63	2365 3585000
SPEED-STABILITY	540P				63	2363 3585000
SPEED-STABILITY	630P				64	2345 3585000

.20 MINIATURE

Height

20 MINIATURE, SERVO MOTOR

GEN	40	49.1312	1.02	62	1078 32894000
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MOTOR-GENERATORS.26VAC.

400CPS

MOTORS-GENERATORS

26VAC.400CPS

AIR	60.9013	80.3449	5322	1.074	64	1253 35850000A
GRD	0	304.98	10	.00735	63	1177 35840000A
AIR	0	11.6983	1066	.197	64	1253 35842000A

ROME ATP DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	540 MOUNTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART LATION	PART HOURS	YE OF DATA	CROSS INDEX
PART DESCRIPTION								RPT	SACE REF NO
MARKER-BEACON-EQUIPMENT			AIR	0	19.7868	100	.11637	63	1198 358640000
CAMERA-GUNSTIGHT/REFLECTOR			AIR	0	19.7379	100	.09127	63	1198 358640000
COMPARATOR-OBPLER-RADAR-AN/ASN-147			AIR	0	19.7868	100	.11637	63	1198 358640000
LOGAN-SYSTEM-AN/APN-151-MT-2683			AIR	0	93.1472	48	.07472	63	1227 358700000
LIAISON-RADIO-ARC-21			AIR	0	192.847	31	.01194	63	1111 358720000
AN/ARC-90-UMF-COMM-SYS-MT-1932/A			AIR	0	46.5736	96	.04944	63	1227 358740000
JET-ENGINE/FUSELAGE-AFT			AIR	0	24.527	100	.09308	63	1123 358760000
CONTROL-ELEVATOR-TRIM-TAB-AUTOPILLOT			AIR	0	19.7868	100	.11637	63	1198 358780000
IFF-SYSTEM-AN/APX-29			AIR	0	6.59562	300	.34911	63	1198 358800000
DETECTOR-COMPASS-N-1			AIR	0	192.847	31	.01194	63	1111 358820000
COMMAND-RADIO-ARC-34			AIR	0	96.4641	62	.02387	63	1111 358840000
COMPARATOR-OBPLER-RADAR-AN/ASN-147			AIR	0	18.1435	50	.12691	63	1198 358860000
AMPLIFIER/POWER-SUPPLY-TOSS-BOOM-COMPUTER			SIM GRD AIR	0	82.9765	195	.02775	64	1181 358880000
HUMIDITY-TEMP-AN/AMO-7			AIR	0	220.344	50	.01045	63	1198 358900000
HIGH-RANGE-ALTIMETER-SCA-710			AIR	0	18.1435	50	.12691	63	1198 358920000
ACCESSORY-UMF-COMM-SYSTEM			AIR	0	46.5736	96	.04944	63	1227 358940000
HF-COMMUNICATION-SYSTEM			AIR	0	9.89344	200	.23274	63	1198 358960000
AMPLIFIER-MAIN-AUTOPILLOT-SYSTEM-MA-2			AIR	0	192.847	31	.01194	63	1111 358980000
AN-ASN-54			AIR	0	46.5736	96	.04944	63	1227 358990000
ANTENNA-TOSS-BOOM-RADAR			SIM GRD AIR	0	82.9765	195	.02775	64	1181 359000000
AN/AIC-30-P-A-SYSTEM-MT-1424			AIR	0	31.049	144	.07416	63	1227 359020000
GYROSCOPE-VERTICAL-AUTOPILLOT-SYSTEM-MA-2			AIR	0	192.847	31	.01194	63	1111 359040000
GYROSCOPE-FLIGHT-INSTRUMENT			AIR	0	56.4641	62	.02387	63	1111 359060000
GUN-TURRET-FIRE-CONTROL-SYSTEM			AIR	0	24.1104	248	.0935	63	1111 359080000
AN-ASN-35-COMPUTER			AIR	0	18.1435	50	.12691	63	1198 359100000
DUAL-37CE-2-VHF-COMMUNICATION-101			AIR	0	19.7268	100	.11637	63	1198 359120000
GAS-TURBINE-COMPR-AUX-POWER-PLANT			AIR	0	6.59562	300	.34911	63	1198 359140000
AN/ARC-90-UMF-COMM-SYS-MT-1995/A			AIR	0	46.5736	96	.04944	63	1227 359160000
AUT-8-APPROACH-AUTOPILLOT-SYSTEM-MA-2			AIR	0	192.847	31	.01194	63	1111 359180000
CAMERA			AIR	0	192.847	31	.01194	63	1111 359200000
ENGINE			SIM MSL	0	92.104	31	.025	62	1069 359220000
AMPLIFIER-SAFETY-MONITOR-AUTOPILLOT-MA-2			AIR	0	192.847	31	.01194	63	1111 359240000
FRONT-ENGINE-MACELLE-TURBOPROP-2MR-PLT			AIR	0	2.47333	800	.95697	63	1198 359260000
FLARE-PISTOL-PYROTECHNIC-SUBTYAL-EQUIPMENT			AIR	0	63.1472	48	.02472	63	1227 359280000
FLAP-CONTROL			AIR	0	192.947	31	.01194	63	1111 359300000
ENGINE-STARTER-NIPPLE			AIR	0	46.3393	96	.04969	63	1123 359320000
ALTIMETER-AN/APN-190-MT-2585			AIR	0	19.7868	100	.11637	63	1198 359340000
ENGINE-ENGINE-MACELLE			AIR	0	11.6434	904	.19776	63	1227 359360000
DUAL-37CE-2-VHF-COMMUNICATION-101			AIR	0	18.1435	50	.12691	63	1198 359380000
AN/AIC-30-P-A-SYSTEM-MT-1424			AIR	0	18.6596	228	.1234	64	1250 359400000

-00 N.O.C.

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	540 MOUNTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA RPT	CROSS INDEX REF NO
PART DESCRIPTION									
-00 N.O.C.									
PANEL-2-POSITION-WING-SELECTION-VALVE	AIR				46.3393	130	.04969	63	1125 35944000
PUBLIC-ADDRESS-SYSTEM-AN/AIC-13	AIR				9.05323	400	.25434	63	1198 35946000
PUBLIC-ADDRESS-SYSTEM-AN/AIC-13	AIR				4.94672	195	.46546	63	1198 35946000
RADAR-TOSS-BOMB-SYSTEM	SIM GRD AIR				82.9765	96	.02773	64	1181 35950000
TACAN-SYSTEM-AN/ARN-21C-MT-1995/A	AIR				42.5736	100	.04944	65	1227 35952000
UHF-D-F-SYS-AN/ARA-25	AIR				19.7868	100	.11637	65	1198 35954000
RELAY-ANTENNA-GROUNDING-HF-COMMUNICATION	AIR				19.7868	100	.11637	65	1198 35954000
SHOCK-INSTRUCTOR-COMPARTMENT	AIR				3.03763	1892	.45708	65	1228 35958000
TACAN-SYSTEM-AN/ARN-21C-REC-TRANS	AIR				46.5736	96	.04944	65	1227 35960000
ACCESSORY-HF-COMMUNICATION-SYSTEM	AIR				27.9917	152	.08226	66	1250 35962000A
REAR-ENGINE-MACELLE-TURBOPROP-PRM-PLT	AIR				4.94672	400	.46546	65	1198 35964000
RECEIVER-XMTR-DOPPLER-RADAR-AN/ASN-147	AIR				18.1435	50	.12691	45	1198 35966000
ENGINE-ENGINE-MACELLE	AIR				6.59876	608	.329	66	1250 35968000
RADAR-ALTIMETER-APN-22	AIR				192.847	31	.01194	63	1111 35970000
RECEIVER-AN/ARN-67	AIR				9.09344	200	.23274	65	1198 35972000
RECEIVER-AN/ARN-51	AIR				18.1435	50	.12691	65	1198 35974000
VIBRATION-ISOLATION	GRD				234.719	76	.00981	64	1180 35976000
SERVO-ELEVATOR-AFCS	AIR				55.9834	96	.04113	66	1250 35978000
POWER-SUPPLY-SEARCH-RADAR-AN/ARN-59	AIR				46.5736	96	.04944	55	1227 35980000
RECEIVER-XMTR-DOPPLER-RADAR-AN/ASN-147	AIR				19.7868	100	.11637	65	1198 35982000
VIBRATION-AUX-POWER-UNIT	AIR				31.049	144	.07416	65	1227 35984000
RADAR-BEACON-APN-69	AIR				192.847	31	.01194	63	1111 35986000
SERVO-AILERON	AIR				55.9834	76	.04113	66	1250 35988000
AUTO-FLIGHT-CONTROL-SYSTEM	AIR				19.7868	100	.11637	65	1198 35990000
SERVO-REPEATER-AUTOPILOT	AIR				18.1435	50	.12691	65	1198 35992000
UHF-D-F-SYS-AN/ARA-25	AIR				55.9834	76	.04113	66	1250 35994000
FLARE-PISTOL-PYROTECHNIC	AIR				27.9917	152	.08226	66	1250 35996000
SURVIVAL-EQUIPMENT	GRD				192.043	50	.01199	64	1180 35998000
SERVO-YAW-DAMPER-RODDER-AFCS	AIR				27.1597	50	.08478	63	1198 36000000
SHOCK	AIR				9.09344	200	.23274	65	1198 36002000
VHF-COMMUNICATION-AN/ARC-49	AIR				55.9834	76	.04113	66	1250 36004000A
VHF-COMMUNICATION-AN/ARC-49	AIR				46.5736	96	.04944	65	1227 36006000
AMPLIFIER-SEARCH-RADAR-AN/ARN-59	AIR				55.9834	76	.04113	66	1250 36008000
TACAN-SYSTEM-AN/ARN-21C-MT-1932/A	AIR				55.9834	76	.04113	66	1250 36010000
SYNC-SEARCH-RADAR-AN/ARN-59	AIR				93.1472	48	.02472	65	1227 36012000
SERVO-AILERON-AUTO-FLT-COMT-SYSTEM	AIR				93.1472	48	.02472	65	1227 36014000
SYNC-SEARCH-RADAR-AN/ARN-59	AIR				93.1472	48	.02472	65	1227 36016000
SERVO-ELEVATOR-AFCS	AIR				46.5736	96	.04944	65	1227 36018000
SERVO-YAW-DAMPER-RODDER-AFCS	AIR				5.03763	1892	.45708	65	1228 36020000
SHOCK-STUDENT-COMPARTMENT	AIR				27.1597	50	.08478	63	1198 36022000
UHF-COMM-AN/ARC-34	AIR								

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	54C MOUNTS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
									REF	NO
00	N.D.C.									
		TACAN-SYSTEM-AN/ARN-218		AIR	0.482742	48.2219	124	0.0775	63	1111 36022000
		SHOCK-INSTRUCTOR-COMPARTMENT-AFT		AIR	2.85192	11.0931	2388	7.0715	67	1272 36024000
		SHOCK-STUDENT-COMPARTMENT		AIR	2.86442	11.1417	1624	2.1164	64	1179 36026000
		AN/APN-70-LOGAN		AIR	2.91771	7.76286	300	0.34911	65	1198 36028000
		DIFFUSER-EXHAUST-TURBOJET-J-85		AIR	3.86212	7.71891	2838	0.82561	65	1228 36030000
		CLAROCK-ACCESSORY-DRIVE		AIR	5.9398	15.3246	1194	1.0357	67	1272 36032000
		AIRFRAME-MOUNT								
		AN/APN-70-LOGAN		AIR	3.93987	10.4845	100	0.50763	65	1198 36034000
		HEAR-ENGINE-NACELLE-TURBOPROP-PWR-PLT		AIR	4.29684	16.7126	200	0.23274	65	1198 36036000
		VHF-NAV-SYS-AN/ARN-14		AIR	4.29684	16.7126	200	0.23274	65	1198 36038000
		AN/APN-22-LBW-RANGE-ALTIMETER		AIR	5.68191	22.1005	204	0.176	63	1114 36042000
		HF-COMMUNICATION-SYSTEM		AIR	5.69761	22.9399	100	0.16956	63	1198 36044000
		VHF-NAV-SYS-AN/ARN-14		AIR	6.7114	26.1053	100	0.149	63	1114 36046000
		AN/APN-22-LBW-RANGE-ALTIMETER		AIR	7.8796	26.9687	100	0.25382	65	1198 36048000
		AN-ASN-35-COMPUTER		AIR	8.59328	33.4252	100	0.11637	65	1198 36050000
		HIGH-RANGE-ALTIMETER		AIR	8.59328	33.4252	100	0.11637	65	1198 36052000
		AN/ARN-58-LOCALIZER		AIR	8.7512	34.0395	473	0.11427	65	1228 36054000
		AN/ARN-58-LOCALIZER		AIR	9.65466	17.9056	597	0.51789	67	1272 36056000
		JET-ENGINE/FUSELAGE-FORWARD		AIR	10.0633	39.1436		0.09937	63	1123 36058000
		DUPLEX-DRIFT-AN/APA-52A		AIR	11.3536	44.201	102	0.088	63	1114 36060000
		SEARCH-RADAR-AN/APN-95		AIR	11.4577	22.754	300	0.34911	65	1198 36062000
		PISTOL-PYROTECHNIC-EMERGENCY-EQUIPMENT		AIR	11.7952	45.8739	50	0.06478	63	1198 36064000
		RECEIVER-AP/ARN-18/31		AIR	11.7952	45.8739	50	0.06478	63	1198 36066000
		UHF-D-F-SYS-AN/ARA-25		AIR	11.7952	45.8739	50	0.06478	65	1198 36068000
		HF-COMMUNICATION-SYSTEM		AIR	11.7952	31.3898	100	0.16956	63	1198 36070000
		HF-COMMUNICATION-SYSTEM		AIR	11.8194	26.321	100	0.25382	65	1198 36072000
		TACAN-SYSTEM-AN/ARN-21C-REC-TRANS		AIR	12.1545	47.2854	152	0.08226	66	1250 36074000
		POWER-SUPPLY-SEARCH-RADAR-AN/APN-59		AIR	12.1545	47.2854	152	0.08226	66	1250 36076000
		DIFFUSER-EXHAUST-TURBOJET-J-85		AIR	13.0898	26.1486	2436	0.30558	65	1179 36078000
		PISTOL-PYROTECHNIC-EMERGENCY-EQUIPMENT		AIR	13.3333	51.8626	50	0.075	63	1114 36080000
		UHF-D-F-SYS-AN/ARA-25		AIR	13.3333	51.8626	50	0.075	63	1114 36082000
		RECEIVER-AN/ARN-18/31		AIR	13.3333	51.8626	50	0.075	63	1114 36084000
		HF-COMMUNICATION-SYSTEM		AIR	13.4228	35.7201	100	0.149	63	1114 36086000
		FRONT-ENGINE-NACELLE-TURBOPROP-PWR-PLT		AIR	14.7733	20.9715	400	0.0153	65	1198 36088000
		IFF-SYSTEM-AN/APX-25		AIR	15.7591	41.5375	50	0.12691	65	1198 36090000
		AN/ARC-38-HF-COMMUNICATION-SYSTEM		AIR	15.9795	29.641	189	0.3129	64	1140 36092000
		AN/ARG-13-AUTOMATIC-DIRECTION-FINDER		AIR	18.7617	49.9277	63	0.1066	64	1140 36094000
		AN/ARC-52-UHF-COMMUNICATION-SYSTEM		AIR	19.4331	51.5742	63	0.1026	64	1140 36096000
		AN/ASN-28-RADAR-TRANSMITTER		AIR	21.5424	83.7936	63	0.04642	64	1154 36098000
		ENGINE-STEADYING-BUILDUP-TURBOJET		AIR	21.878	40.5823	746	0.22856	65	1228 36100000

ROME AIR DEVELOPMENT CENTER, CHIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

ACMELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS 340 MOUNTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
MOUNTS

YR  
OF DATA  
RPT SRCE REP NO

CROSS  
OF DATA  
INDEX

.00 M.O.C.

SEARCH-RADAR, AN/APN-59	AIR	22.7272	60.4000	102	.088	43	1114	36102000
VHF-NAV-SYS, AN/APN-14	AIR	22.7272	60.4000	102	.088	63	1114	36104500
IFF-SYSTEM, AN/APX-25	AIR	22.7272	60.4000	102	.088	63	1114	36106000
AN/ARN-58-GLIDE-SLOPE/MARKER-BEACON	AIR	22.8151	60.7152	406	.08766	64	1179	36108000
SHOCK-CONTROL-AMPLIFIER, RADAR-SYSTEM	AIR	23.5793	91.7165		.04241	63	1123	36110000
PUBLIC-ADDRESS-SYSTEM	AIR	23.5904	62.7777	50	.08478	63	1198	36112000
SEARCH-RADAR, AN/APN-59	AIR	23.6387	52.642	50	.12691	65	1198	36114000
TACAN-SYSTEM, AN/ARN-21C.	AIR	24.3131	64.7009	152	.08226	66	1250	36116000
INDICATOR-COUPLER								
MH-67-AUTOMATIC-FLIGHT-CONTROL-SYSTEM	AIR	24.414	45.3866	126	.2048	54	1140	36118000
TRIMMION-FUSELAGE-AFT-CENTER-SECTION	AIR	26.2536	6.0742	946	.22854	65	1228	36120000
PUBLIC-ADDRESS-SYSTEM	AIR	26.6666	70.964	50	.075	63	1114	36122000
ENGINE-BIPOD-W/HARDWARE	MELI	28.9017	112.419	40	.0346	66	1257	36124000
DETECTOR, AN/ASO-10-MAGNETIC-ANOMALY	AIR	29.1163	77.4828	48	.04869	64	1162	36126000
FRONT-ENGINE-MACELLE-TURBOPROP-PWR-PLT	AIR	29.4885	39.876	400	.67823	63	1198	36128000
ENGINE-MACELLE-FRONT-TURBOPROP-PWR-PLT	AIR	30.05	61.3293	400	.599	63	1114	36130000
DOPPLER-DRIFT, AN/APA-52A	AIR	31.5163	62.9859	50	.12691	65	1198	36132000
AN/APX-82-RADAR-SET	AIR	34.2179	54.0111	378	.26302	64	1155	36134000
AN/ARN-58-LOCALIZER	AIR	34.2231	76.2126	406	.08766	64	1179	36136000
AN/ARN-58-GLIDE-SLOPE/MARKER-BEACON	AIR	35.0048	69.531	473	.11427	65	1228	36138000
TRIMMION-FUSELAGE-AFT-CENTER-SECTION	AIR	35.7246	44.4946	1194	1.0357	67	1272	36140000
ENGINE-MACELLE-REAR-TURBOPROP-PWR-PLT	AIR	36.7892	55.5122	200	.299	63	1114	36142000
ENGINE-TURBOJET, J-85	AIR	39.3809	50.5999	2838	.68561	65	1228	36144000
VHF-NAV-SYS, AN/ARN-14	AIR	39.3979	73.0803	50	.12691	65	1198	36146000
ENGINE-DOME/ENGINE	AIR	40.2495	107.11		.04969	63	1123	36148000
REAR-ENGINE-MACELLE-TURBOPROP-PWR-PLT	AIR	41.2833	55.3936	200	.33912	63	1198	36150000
ENGINE								
TACAN-SYSTEM, AN/ARN-21	AIR	42.1052	84.1426		.095	63	2127	36152000
SHORAN, AN/APN-84, HIRAN-SYSTEM	AIR	47.2775	62.9887	50	.12691	65	1198	36154000
AN/ARN-58-GLIDE-SLOPE/MARKER-BEACON	AIR	47.8697	106.199	100	.02089	63	1198	36156000
SHORAN, AN/APN-84, HIRAN-SYSTEM	AIR	50.2037	65.3351	597	.51789	67	1272	36158000
GAS-TURBINE-COMPR-AUX-PWR-R-PLANT	AIR	52.6315	204.721	100	.019	63	1114	36160000
GAS-TURBINE-COMPR-AUX-PWR-PLANT	AIR	56.8181	105.394	102	.088	63	1114	36162000
GAS-TURBINE-COMPR-AUX-PWR-PLANT	AIR	62.1222	89.4577	150	.225	63	1114	36164000
UHF-COMM, AN/AAC-34	AIR	62.1079	88.2739	150	.25434	63	1114	36166000
ENGINE-POWER-PLANT	AIR	64.1161	171.687	136	.031	63	1114	36168000
IFF-SYSTEM, AN/APX-25	AIR	67.1389	86.1196	252	.43194	65	1155	36170000
RADAR-ALTIMETER, AN/APN-117	AIR	70.7714	124.228	50	.08478	63	1198	36172000
RADIO-COMPASS, AN/ARN-1	AIR	72.1907	135.022	48	.06869	64	1162	36174000
UHF-COMM, AN/ARC-34	AIR	76.869	111.806	100	.16956	63	1198	36176000
	AIR	78.7959	121.398	50	.12691	65	1198	36178000



HOME AIR DEVELOPMENT CENTER OFFICE AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 540 MOUNTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT FAILURE RATE UPPER 90 CONF LIMIT PART POPULATION PART HOURS PART OF DATA INDEX CROSS RPT SRCE REF NO

100 N.O.C.

ENGINE-TRIPOD-W/HARDWARE	HELL	78.9265	307	40	-01267	66	1257	36180000
IFF-SYSTEM-AN/APX-25	AIR	80	140.428	50	-075	63	1114	36187000
PAUDIO-COMPASS-AN/APN-6	AIR	80.5369	119.339	100	-149	63	1114	36184000
AMPLIFIER-SEARCH-RADAR-AN/APN-59	AIR	80.9061	215.303	48	-02472	65	1127	36186000
AN/ASA-24-NAVIGATION-COMPUTER	AIR	85.7632	171.388	63	-04664	64	1155	36188000
ENGINE-TRIPOD-W/HARDWARE	HELL	86.7052	193.086	40	-0346	66	1257	36190000
UMF-COMP-AN/ARC-14	AIR	90.909	147.667	102	-068	63	1114	36192000
ORBITAL-CAMERA	AIR	95.6937	372.22	50	-01045	63	1198	36194000
ENGINE-TURBOJET-J-45	AIR	96.9637	116.791	2476	-52597	64	1179	36196000
THUNDERBOLT-AFT-CENTER-SECTION	AIR	96.9655	134.645	812	-17132	64	1179	36198000
TACAN-SYSTEM-AN/ARN-21C-INDICATOR-COUPLER	AIR	101.132	187.595	96	-04944	65	1227	36200000
GLASSBOX-ACCESSORY-DRIVE-AIRFRAME-MOUNT	AIR	105.014	138.197	946	-22854	65	1228	36202000
CAMERA-OBLIQUE	AIR	111.111	432.188	50	-009	63	1114	36204000
AN/ARN-65-TACAN-RADIO	AIR	113.765	165.904	473	-11427	65	1228	36206000
AN/ARN-65-TACAN-RADIO	AIR	114.077	175.754	406	-08766	64	1179	36208000
MARKER-BEACON-EQUIPMENT	AIR	117.952	181.725	50	-08478	63	1198	36210000
PISTOL-PYROTECHNIC-EMERGENCY-EQUIPMENT	AIR	118.193	167.775	50	-12691	65	1198	36212000
MARKER-FLACON-EQUIPMENT	AIR	133.333	205.422	50	-075	63	1114	36214000
ENGINE-STEADYING-BUILDUP-TURBOJET-J-85	AIR	148.3	192.997	812	-17532	64	1177	36216000
AS-TURBINE-COMP-AUX-POWER-PLANT	AIR	149.712	204.101	50	-12691	65	1198	36218000
PISTOL-PYROTECHNIC-EMERGENCY-EQUIPMENT	AIR	154.679	212.737	100	-11637	65	1198	36220000
AMPLIFIER-AN/APN-22-RADAR-ALTIMETER	AIR	160	296.79	63	-03125	64	1155	36222000
VIBRATION-RCVR-XMTR-TACAN-ARN-21	AIR	163.256	238.135		-07961	63	1123	36224000
AN/ARC-34X-UMF-COMMUNICATION-SYSTEM	AIR	166.272	226.678	473	-11427	65	1228	36226000
TACAN-SYSTEM-AN/ARN-65	AIR	175.712	201.754	597	-51789	67	1272	36228000
ENGINE-BITING-W/HARDWARE	HELL	185.185	720.314	20	-0054	66	1257	36230000
PISTOL-PYROTECHNIC-EMERGENCY-EQUIPMENT	AIR	193.181	268.251	102	-088	63	1114	36232000
TRANSMISSION-NO-5	HELL	202.312	340.199	40	-0746	66	1257	36234000
SEXTANT-NAVIGATION-INSTRUMENTATION	AIR	204.545	281.321	102	-048	63	1114	36236000
TACAN-SYSTEM-AN/ARN-21	AIR	235.904	319.004	50	-08478	63	1198	36238000
AN/ARC-34X-UMF-COMMUNICATION-SYSTEM	AIR	262.377	347.402	406	-08766	64	1179	36240000
TACAN-SYSTEM-AN/ARN-21	AIR	266.666	360.601	50	-075	63	1114	36242000
CONVERGENT-CAMERA-ART-23	AIR	287.081	639.311	50	-01045	63	1198	36244000
SEXTANT-NAVIGATION-INSTRUMENTATION	AIR	300.764	377	100	-11637	65	1198	36246000
SEXTANT-NAVIGATION-INSTRUMENTATION	AIR	333.333	436.149	50	-075	63	1114	36248000
CAMERA-CONVERGENT-ART-23	AIR	333.333	425.723	360	-04	65	1215	36250000
SEXTANT-NAVIGATION-INSTRUMENTATION	AIR	333.333	742.311	50	-009	63	1114	36252000
SEXTANT-NAVIGATION-INSTRUMENTATION	AIR	342.061	438.765	50	-08478	63	1198	36254000
SEXTANT-NAVIGATION-INSTRUMENTATION	AIR	386.1	466.858	50	-12691	65	1198	36256000

# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

JANUARY 1968

## NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	54C MOUNTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIM	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX REF NR
PART DESCRIPTION									
LOG M.O.C.									
		TRANSMISSION-MO-5	HELI	394.632	732.02	40	.01267	66	1257 36298000
		CAMERA-CONTROL-SYSTEM	AIR	478.468	887.531	50	.01045	63	1198 36260000
		POWER-SUPPLY-FLIGHT-TRACK-NAV	AIR	478.468	887.531	50	.01045	63	1198 36260000
		SEXTANT-FLIGHT-INSTUMENT	AIR	502.512	882.085	31	.01194	63	1111 36260000
		OXYGEN-SUPPLY-SYSTEM	AIR	502.652	491.323	93	.03561	63	1111 36260000
		CAMERA-CONTROL-SYSTEM	AIR	555.555	1030.52	50	.009	63	1114 36260000
		ENGINE-TRIPOD-M/HARDWARE	HELI	740.74	1480.28	20	.0054	66	1257 36270000
		AN/ARC-34X-UNF-COMMUNICATION-SYSTEM	AIR	870.841	925.729	547	.51789	67	1272 36270000
		SHOCK-HYDRAULIC-SYSTEM	AIR	921.53	1084.62	186	.07162	63	1111 36270000
		VERTICAL-CAMERA-ART-25	AIR	1095.26	1349.17	100	.02089	63	1198 36270000
		CAMERA-VERTICAL-ART-25	AIR	1052.63	1423.42	100	.019	63	1114 36270000
		CAMERA-TV-VIEW-FINDER-FLIGHT-TRACK-NAV	AIR	1052.63	1588.33	50	.01045	63	1198 36280000
		CAMERA-TV-VIEW-FINDER-FLIGHT-TRACK-NAV	AIR	1222.22	1844.23	50	.009	63	1114 36280000
		CONTROL-PANEL-FLIGHT-TRACK-NAV	AIR	1435.4	2637.55	50	.01045	63	1198 36280000
		APR-6-SYSTEM	AIR	95.6937	372.22	50	.01045	63	1198 36280000
		APR-6-SYSTEM	HELI	111.111	432.188	50	.079	63	1114 36280000
		TRANSMISSION	HELI	146.52	292.804	80	.0273	66	1257 36290000
		TRANSMISSION	HELI	238.267	300.75	160	.1385	66	1257 36290000
		TRANSMISSION	HELI	571.992	733.698	160	.0507	66	1257 36290000
		TRANSMISSION	HELI	1013.82	1351.16	80	.0217	66	1257 36290000
		GUN	AIR	0	11.5859	0	.19874	63	1123 36298000
		RECOIL							
		ISOLATION							
		MOUNTING-ENGINE-AIRCRAFT	AIR	12.8899	28.7049	200	.23274	65	1198 36300000
		MT-1175	AIR	134.259	159.798	0	.432	63	2109 36300000
		MT-1932/A	HELI	185.185	720.314	20	.0054	66	1257 36300000
		MT-1932/A	AIR	0	27.9917	152	.08226	66	1250 36300000
		MT-1932/A	AIR	0	27.9917	152	.08226	66	1250 36300000
		MT-1932/A	AIR	0	27.9917	152	.08226	66	1250 36300000
		MT-1932/A	AIR	12.1565	47.2854	152	.08226	66	1250 36300000
		RESILIENT	AIR	0	55.9834	76	.04113	66	1250 36300000
		SHOCK	GAD	0	455.059	0	.00506	64	1184 36300000
		SHOCK	AIR	1.44822	3.2251	2388	2.0715	67	1272 36300000
		VIBRATION	AIR	1.93096	3.85882	2388	2.0715	67	1272 36300000
		VIBRATION	AIR	0	18.6596	228	.1234	66	1250 36300000
		VIBRATION	LAB	.88	0	0	0	63	1138 36300000

# RUHE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 542 NOZZLES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPULATION

PART HOURS

YR OF DATA RPT SRCF

CRPS INDT

UC N.O.C.

AIR-CONDITIONER-VENT-SYSTEM	AIR	0	46.5736	56	0.04344	65	1227	101200
FUEL-SYSTEM	AIR	0	940874	4752	2.4473	65	1227	101200
RAIN-REMOVAL-SYSTEM	AIR	0	27.9917	152	0.0226	66	1250	101200
AIR-CONDITIONER-VENT-SYSTEM	AIR	0	27.9917	152	0.0226	66	1250	101200
TURBINE-AUXILIARY-POWER-UNIT	AIR	0	55.9834	76	0.04113	66	1250	101200
FUEL-SYSTEM-ATOMIZER-APU	AIR	0	53.1472	48	0.02472	65	1227	101200
JET-OIL-SYSTEM-TURBOJET-J-85	AIR	0	3.35846	2838	0.08561	65	1227	101200
TURBINE-AUX-POWER-UNIT	AIR	0	93.1472	48	0.02472	65	1227	101200
CONTROL-FUEL/POWER	AIR	0	48.2219	124	0.04775	63	1111	101200
FUEL-SYSTEM	AIR	0	56.5555	7524	4.0714	66	1250	101200
RAIN-REPELLANT-SYSTEM	AIR	0	23.2868	192	0.08888	65	1227	101200
RAIN-REMOVAL-SYSTEM	AIR	0	46.5736	56	0.04344	65	1227	101200
COMBUSTION-SECTION-TURBOJET-J-85	AIR	0.273478	1.06374	15135	3.6566	65	1227	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	0.324496	1.26215	3168	3.0817	65	1201	101200
FUEL-SYSTEM-POWER-SECTION	AIR	0.455104	1.77021	1464	2.1973	65	1201	101200
COMBUSTION-SECTION-TURBOJET-J-85	AIR	0.613572	2.38661	12952	1.0298	64	1179	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	0.944733	2.51407	2448	2.117	63	1114	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	0.984933	2.19344	1200	3.0458	65	1194	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	1.50413	3.34961	10296	1.9945	65	1227	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	2.68541	10.4843	1632	0.371	63	1114	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	4.29184	6.77444	1200	2.057	63	1114	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	4.2966	6.36689	2400	2.7529	65	1194	101200
FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	5.4062	8.15754	1200	2.0347	63	1194	101200
FUEL-SYSTEM-TURBOJET-J-85	AIR	9.81739	38.1857	812	1.0186	64	1179	101200
FUEL-SYSTEM	AIR	13.6529	25.3234	244	0.3622	65	1201	101200
FUEL-SYSTEM-TURBOJET-J-85	AIR	17.5024	34.9765	946	0.2854	65	1227	101200
FUEL-SYSTEM-TURBOJET-J-85	AIR	44.1813	81.9536		0.11317	65	1184	101200
REFUELING-INFLIGHT	AIR	44.1813	81.9536		0.11317	65	1184	101200
REFUELING-INFLIGHT	AIR	58.5651	155.25		0.0413	63	1179	101200
REFUELING-PROBE-INFLIGHT	AIR	58.5651	155.25		0.0413	63	1179	101200
FUEL-SYSTEM-MAIN-ENGINE	AIR	68.9074	108.766	860	0.13061	66	1240	101200
INFLIGHT-REFUEL-SYSTEM	AIR	82.4717	106.27		0.3351	66	1241	101200
REFUELING-PROBE-TANKER-DROGUE	AIR	90.3444	146.749		0.0855	63	1123	101200
FUEL-SYSTEM-ATOMIZER	AIR	97.2526	194.348	76	0.04113	48	1250	101200
AUXILIARY-POWER-UNIT								
FUEL-SYSTEM-TURBINE-DRIVEN-POWER-UNIT	CRD	253.164	673.708		0.0079	62	1139	101200
REFUELING-INFLIGHT	AIR	612.357	1224.12	43	0.0653	66	1240	101200
CANOPY-DEFOG-SYSTEM	AIR	0	26.2673	406	0.0266	64	1179	101200
CANOPY-DEFOG-SYSTEM	AIR	8.7512	34.7395	473	0.11427	65	1228	101200
CANOPY-DEFOG-SYSTEM	AIR	15.4472	25.0916	597	0.51789	67	1372	101200
OIL-SYSTEM-ENGINE	AIR	0	24.1109	248	0.0955	65	1111	101200
GENERATOR-DRIVE-SYSTEM	AIR	0	48.2219	124	0.04775	63	1111	101200
RAIN-REMOVAL-SYSTEM	AIR	0	46.5736	56	0.04344	63	1111	101200
ENGINE	AIR	743.455	869.801	248	0.0955	63	1111	101200

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	542 NOZZLES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
.00 N.O.C.									
EXHAUST-PRIMARY		BASIC-ENGINE	AIR	237.082	293.55	304	-1445	64	1228 344170000
EXHAUST-PRIMARY		BASIC-ENGINE	AIR	556.229	645.24	192	-09088	65	1227 344140000
EXHAUST-SECONDARY		BASIC-ENGINE	AIR	10.1132	39.3375	192	-09088	65	1227 344140000
EXHAUST-SECONDARY		BASIC-ENGINE	AIR	30.3951	56.3011	304	-1445	64	1226 344180000
FUEL		ENGINE-FUEL-SYSTEM	AIR	939.328	1411.37	32	-00834	66	1275 344200000
JET		OIL-SYSTEM-TURBOJET-J-85	AIR	321.823	1.25179	3582	3.1073	67	1272 344200000
LEAVES-INNER		AFTERBURNER-TURBOJET-J-85	AIR	4.98069	10.8313	4872	-61116	64	1179 344240000
LEAVES-INNER		AFTERBURNER-TURBOJET-J-85	AIR	7.29288	11.2358	5676	1.3712	65	1228 344200000
LEAVES-OUTER		AFTERBURNER-TURBOJET-J-85	AIR	8.18116	15.1755	4872	-61116	64	1179 344200000
LEAVES-OUTER		AFTERBURNER-TURBOJET-J-85	AIR	16.7736	22.2092	5676	1.3712	65	1228 344200000
REFUELING		INFLIGHT	AIR	563.241	671.432		-1012	66	1263 344170000

ROME AIR DEVELOPMENT CENTER, GAFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 5-5 OPTICAL DEVICES AND CAMERAS  
PART DESCRIPTION FUNCTIONAL APPLICATION

-00 M.G.C.

PART DESCRIPTION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
CAMERAS-GUN	AIR	100.125	106.868	456	3.975	64	1153 36434000
CAMERAS-K-30	AIR	•	192.847	31	-01194	63	1111 36436000
CAMERAS-KC-1	AIR	•	110.224	100	-02069	63	1198 36438000
CAMERAS-KC-1	AIR	71.4285	190.082	190	-028	63	1114 36440000
CAMERAS-MOVIE	AIR	127.632	255.059	150	-03134	63	1198 36442000
CAMERAS-MOVIE	AIR	159.509	207.585	•	-163	61	1083 36444000
CAMERAS-P-2-TYPE	AIR	1714.28	2077.05	•	-028	61	1082 36446000
CAMERAS-P-2-TYPE	AIR	151.387	509.311	50	-01045	63	1198 36448000
CAMERAS-PRIME-ANG-ALTERNATE-WINDOW	AIR	222.222	591.366	50	-009	63	1114 36450000
CAMERAS-PRIME-ANG-ALTERNATE-WINDOW	AIR	6.7814	26.1053	100	-149	63	1114 36452000
CAMERAS-RECORDER-0A-13281.	AIR	95.7395	254.777	100	-02889	63	1198 36454000
CAMERAS-RECORDER-0A-13281.	AIR	•	220.344	50	-01045	63	1198 36456000
CAMERAS-RECORDER-0A-13281.	AIR	95.6937	372.22	50	-01045	63	1198 36458000
CAMERAS-RECORDER-0A-13281.	AIR	111.111	432.188	50	-009	63	1114 36460000
CAMERAS-SCOPE	AIR	418.76	776.775	31	-01194	63	1111 36462000
CAMERAS-STRIKE-TYPE-K-17.	AIR	•	191.863	31	-012	63	1111 36464000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	2416.66	3099.87	31	-012	63	1111 36466000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	1600	1779.47	•	-095	63	2129 36468000
CAMERAS-TYPE-C-7-MIL-S-0644	LAB	6.93	•	•	•	63	1138 36470000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	61.2584	103.009	473	-11427	63	1228 36472000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	68.4462	120.147	406	-03766	64	1179 36474000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	148.68	172.837	597	-51729	67	1272 36476000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	2378.49	3149.25	•	-00967	66	2134 36478000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	588.181	685.676	102	-088	63	1114 36480000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	669.765	772.815	50	-12691	65	1198 36482000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	809.061	1094.05	48	-02472	65	1227 36484000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	1391.83	1570.84	50	-08478	63	1198 36486000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	1480	1676.78	50	-075	63	1114 36488000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	1733.33	2255.76	68	-015	63	1114 36490000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	2509.23	2708.08	100	-11437	65	1198 36492000
CAMERAS-TYPE-C-7-MIL-S-0644	AIR	2601.5	2954.38	76	-04113	66	1250 36494000

-05 ASTROTRACKER

-06 PROJECTORS

TEST-PATTERN TV-VIEW-FINDER

TEST-PATTERN	AIR	•	220.344	50	-01045	63	1198 36496000
TV-VIEW-FINDER	AIR	•	6428.57	7839.71	-007	61	1082 36498000

HOME AIA DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MODEL/ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS 343 OPTICAL DEVICES AND CAMERAS

PART DESCRIPTION FUNCTIONAL APPLICATION

.30 PERISCOPES

SEXTANTS

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LAYEN	PART HOURS	YR OF DATA	CROSS INDEX
AIR	666-645	1083.89	31	.812	63	111 34500000
AIR	857-142	1504.58		.007	61	1002 34502000

.00 TELEVISION CAMERAS

TV-VIEW-FINDER-FLIGHT-  
TRACK-NAVIGATION  
TV-VIEW-FINDER-FLIGHT-  
TRACK-NAVIGATION

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LAYEN	PART HOURS	YR OF DATA	CROSS INDEX
AIR	0	192-847	31	.01194	63	111 34504000
AIR	3349.28	4198.23	58	.01043	63	114 34504003
AIR	3555.53	4304.75	50	.009	63	114 34508003

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	53 OVERRIDES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
PART DESCRIPTION									
.00 N.O.C.									
DOWNLOCK		DOWNLOCK-ALTERNATE-RELEASE.	AIR	6.75871	11.3651	1194	1.0357	67	1272 36510000
DOWNLOCK		LANDING-GEAR	AIR	4.3756	17.0197	948	.22854	65	1228 36512000
DOWNLOCK		ALTERNATE-RELEASE-LAND-GEAR	AIR	22.8154	45.554	812	.17532	64	1179 36514000
DOWNLOCK		ALTERNATE-RELEASE-LAND-GEAR	AIR						

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PARTY FAILURE RATE DATA

**JANUARY 1961**

# SECTION I FAILURE RATE DATA

**ARMY OFFICERS 456 SSYTD LMD**

[illegible]

**W.D.C.**

[illegible]



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS 557 POWER SUPPLIES, ELECTRICAL, ROTATING  
PART DESCRIPTION FUNCTIONAL APPLICATION

.00 N.O.C.

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS REF NO
CONTROL								
INVERTER-AC-SUPPLY		AIR	0	1029.73		.00076	67	2700 36558000
INVERTERS	F-111	AIR	198.609	528.53		.01007	62	2700 36560000
INVERTERS	F-111	AIR	507.614	1130.42		.00591	62	2700 36562000
INVERTERS	F-111	AIR	619.195	1647.77		.00323	62	2700 36564000
INVERTERS	F-111	AIR	1226.99	1614.7		.01956	62	2700 36566000
INVERTERS	F-111	AIR	1995.56	3149.88		.00451	62	2700 36568000
INVERTERS	F-111	AIR	2834	4765.54		.00247	62	2700 36570000
INVERTERS	F-111	AIR	2991.45	4900.85		.00468	62	2700 36572000
INVERTERS	F-111	AIR	3508.77	4744.75		.00570	62	2700 36574000
INVERTERS	F-111	AIR	3759.39	5336.44		.00399	62	2700 36576000
INVERTERS	F-111	AIR	4687.5	10438.7		.00064	62	2700 36578000
INVERTERS	F-111	AIR	1411.29	1894.1		.01488	62	2700 36580000
INVERTERS	F-111	AIR	300P				65	2330 36582000
INVERTERS	F-111	GRD	0	2037.69	100	.00113	63	1159 36584000
INVERTERS	F-111	GRD	0	1555.31	150	.00148	62	1159 36586000
INVERTERS	F-111	AIR GND	64.9			.116	59	212 36590000
INVERTERS	F-111	AIR GND	68.9655	112.023		.007	61	1082 36592000
INVERTERS	F-111	AIR	285.714	760.328		.01	59	212 36594000
INVERTERS	F-111	MSL	500	927.47		.01194	63	1111 36596000
INVERTERS	F-111	AIR	562.512	882.685	31	.00137	61	1059 36598000
INVERTERS	F-111	GRD	729.927	2839.19	121		58	212 36600000
INVERTERS	F-111	AIR	1000			.002	57	212 36602000
INVERTERS	F-111	MSL	1000	2651.15			58	212 36604000
INVERTERS	F-111	MSL	1000			.326	61	1083 36606000
INVERTERS	F-111	AIR	1055.21	1131.92		.115	61	1084 36608000
INVERTERS	F-111	AIR	1104.34	1240.83			61	212 36610000
INVERTERS	F-111	AIR GND	1200			.002	57	212 36612000
INVERTERS	F-111	MSL	1400	3340.4		.331	59	212 36614000
INVERTERS	F-111	AIR	1546.62	1638.13		1.077	63	2114 36616000
INVERTERS	F-111	AIR	4549.67	4634.6		.095	63	2125 36618000
INVERTERS	F-111	AIR	7094.73	7457.89		.0136	66	1257 36620000
INVERTERS	F-111	MSL	147.058	391.345	40	.0253	66	1257 36622000
INVERTERS	F-111	MSL	276.679	465.252	40	.01085	66	1257 36624000
INVERTERS	F-111	MSL	552.995	970.7	40	.0692	66	1257 36626000
INVERTERS	F-111	MSL	621.387	761.358	80	.11995	61	2110 36628000
INVERTERS	F-111	SHR	42.0344	77.9714		21.6	66	2531 36630000
INVERTERS	F-111	MSL	0	16602			63	1138 36632000
INVERTERS	F-111	MSL	40			.00503	66	1264 36634000
INVERTERS	F-111	GRD	355.239	945.346	42	.095	63	2125 36636000
INVERTERS	F-111	AIR	4884.21	5187.46		.08478	63	1198 36638000
INVERTERS	F-111	AIR	931.823	1081.09	50	.075	63	1114 36640000
INVERTERS	F-111	AIR	1013.33	1179.17	50	.00047	64	1171 36642000
INVERTERS	F-111	GRD	0	4899.14			65	1207 36644000
INVERTERS	F-111	GRD	0	2952.05				

FLIGHT-INSTRUMENT

(STORAGE)

AC-POWER-SUPPLY  
AC-POWER-SUPPLY

INVERTERS-100-VOLT-AMPERE  
INVERTERS-115/200VAC

3-PHASE-400CPS-4-WIRE

INVERTERS-115/200VAC

3-PHASE-400CPS-4-WIRE

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

# HOMELECTRONIC PART FAILURE RATE DATA

July 1964

PART CLASS	557 POWER SUPPLIES, ELECTRICAL, STATING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF RPT	CROSS DATA INCR SRC	REF NO
PART DESCRIPTION										
.00 N.B.C.										
INVERTERS-115/200VAC.			GRD	1618.18	7072.18		.00055	64	1171	366448000
3-PHASE-400CPS-4-WIRE										
INVERTERS-115/200VAC.			GRD	2608.69	5609.39		.00115	65	1207	366448000
3-PHASE-400CPS-4-WIRE										
INVERTERS-115VAC-400CPS			GRD	5060.6	16128.1		.00033	64	1163	366500000
INVERTERS-1500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	602.272	722.789	102	.088	63	1114	366520000
INVERTERS-1500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	713.242	824.43	100	.11637	65	1198	366540000
INVERTERS-1500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	748.561	856.914	50	.12651	66	1198	366540000
INVERTERS-1500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	1333.33	1803	68	.015	63	1114	366580000
INVERTERS-1800VA.			GRD	3478.26	5649.86	13	.0023	60	1245	366600000
28VDC/115VAC-3-PHASE										
INVERTERS-250-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	466.666	1027.11	68	.015	63	1114	366620000
INVERTERS-250-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	713.242	824.43	100	.11637	65	1198	366640000
INVERTERS-250-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	1681.81	1875.2	102	.088	63	1114	366660000
INVERTERS-250-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	1803.22	2049.13	50	.12691	65	1198	366680000
INVERTERS-2500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	430.526	502.571	100	.16956	63	1198	366700000
INVERTERS-2500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	469.798	550.268	100	.149	63	1114	366720000
INVERTERS-26VDC/40°CPS-			SIM SAT	0	1518.83	1	.0012	65	1184	366740000
2-PHASE-AC-HERMETIC-SEAL										
INVERTERS-400VA			GRD	0	19188.3	2	.00012	66	1245	366760000
INVERTERS-450VA.			GRD	0	7675.33	3	.0003	66	1245	366780000
28VDC/115VAC-3-PHASE										
INVERTERS-450VA.			GRD	753.424	1136.85	44	.0146	66	1245	366800000
28VDC/115VAC-3-PHASE										
INVERTERS-500-VOLT-AMPERE		AC-POWER-SUPPLY	AIR	353.857	419.904	100	.16956	63	1198	366820000
STATIC		AC-POWER-SUPPLY	AIR	362.416	434.177	100	.149	63	1114	366840000
STATIC		ELECTRICAL-POWER-727	AIR	920P				66	2360	366860000
STATIC		ELECTRICAL-POWER-727	AIR	1970P				66	2360	366880000
SWEEP		ELECTRICAL-POWER-727	AIR	2476				65	2360	366900000
900CPS		F-111	AIR	9090.9	15286.8		.00077	62	2700	366920000
		RADAR-TRANSPONDER-GUIDANCE	GRD	8481.01	9965.49		.0079	62	1135	366940000
.01 ALTERNATORS										
-115VAC-400C			LAB	7				63	1138	366960000
-115VAC-400C		PROPELLOR-ASSEMBLY	AIR	2350.2	2460.28	200	.33912	65	1198	366980000
-115VAC-400C		HYDROMATIC-PROPELLOR	AIR	2464.88	2585.38	200	.299	63	1114	367000000
-115VAC-400C			AIR	65				57	211	367020000
SYNC-PROPELLER			LAB	333				57	211	367040000
24-5710VDC			AIR	586				57	211	367060000
900CPS-TURBINE-DRIVEN-POWER-UNIT			MSL	1052				57	211	367080000
			AIR	200P				65	2330	367100000
			GRD	29.7751H	79.2362M	15	.06717M	66	1255	367120000
			GRD	253.104	673.708		.0079	62	1135	367140000

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

6961 ADVANCE

PART CLASS	557 POWER SUPPLIES, ELECTRICAL, ROTATING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	357 POWER SUPPLIES, ELECTRICAL, ROTATING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	DATA INDEX
PART DESCRIPTION								
.02 CONVERTERS								
FREQUENCY	TRANSMITTER/INTERCOM		SIM GND AIR	4962.77	5889.88	195	.01209	64 1181 36780000
	DOPPLER-NAVIGATION							
HORIZONTAL-POSITION-RATE	AIR-DATA		SIM GND AIR	70.8904	197.863	195	.04232	64 1181 36780000
IMPACT-PRESSURE	CENTRAL-AIR-DATA-COMPUTER		SIM GND AIR	94.5179	188.883	195	.04232	64 1181 36780000
POWER	AUTOPLOT-MA-2		AIR	192.847	31		.01194	63 1111 36794000
SEARCH-FREQUENCY	RADAR-ASG-15-FIRE-CONTROL		AIR	4941.37	5372.4	31	.01194	63 1111 36794000
SIGNAL	DESTRUCT-SYSTEM		GND	1072.65	1844.84		.0079	52 1135 36798000
SIGNAL-DATA	RANGE-RADAR-ASB9		SIM GND AIR	261.837	387.989	195	.04583	64 1181 36800000
SIGNAL-DATA	COMM/IDENT/NAVIGATION-SYSTEM		AIR	418.877	594.593	93	.03581	63 1111 36802000
SIGNAL-DATA	NO-2-COCKPIT-DISPLAY		SIM GND AIR	1317.36	1682.83	195	.02505	64 1181 36804000
SIGNAL-DATA	FLIGHT-CONTROL-MEASUREMENT		AIR	2247.19	3544.6	36	.00267	66 1256 36806000
	NO-2-COCKPIT-DISPLAY-TACAN		AIR	2247.19	3544.6	36	.00267	66 1256 36808000
SIGNAL-DATA	AIR-FLIGHT-CONTROL-MEASUREMENT		AIR	2247.19	3544.6	36	.00267	66 1256 36810000
SIGNAL-DATA	NO-1-COCKPIT-DISPLAY-TACAN		AIR	2996.25	4864.92	36	.00267	66 1256 36812000
SIGNAL-DATA	ATTACK-DISPLAY-INFRARED		AIR	2996.25	4864.92	36	.00267	66 1256 36814000
SIGNAL-DATA	NO-1-COCKPIT-DISPLAY		AIR	2996.25	4864.92	36	.00267	66 1256 36816000
	FLIGHT-CONTROL-MEASUREMENT		AIR	2996.25	4864.92	36	.00267	66 1256 36818000
	ATTACK-DISPLAY-TRACK-RADAR		AIR	2996.25	4864.92	36	.00267	66 1256 36820000
	FLIGHT-DIRECTOR		AIR	3370.78	5320.59	36	.00267	66 1256 36822000
	INSTRUMENTATION-LAND-SYSTEM		AIR	3370.78	5320.59	36	.00267	66 1256 36824000
	AC-INPUT-COMPUTER		AIR	3370.78	5320.59	36	.00267	66 1256 36826000
	DIGITAL-COMPUTER		AIR	4968.41	7160.35	36	.00267	66 1256 36828000
	INFRARED-SYSTEM		AIR	6247.04	8841.23	36	.00267	66 1256 36830000
	ASQ-70		AIR	7822.68	8818.68		.01534	66 1256 36832000
	TIME-SHARE-INFRARED-SYSTEM		AIR	8614.23	11405.7	36	.00267	66 1256 36834000
	TIME-SHARING-TRACK-RADAR		AIR	10486.8	13513	36	.00267	66 1256 36836000
	ANALOG-OUTPUT-COMPUTER		AIR	16479.4	20143.2	36	.00267	66 1256 36838000
	INPUT-OUTPUT-COMPUTER		AIR	18726.5	22599	36	.00267	66 1256 36840000
	RADAR-ASB9		AIR	41.8935	162.953	82	.02387	63 1111 36842000
	AIR-DATA-COMPUTER		SIM GND AIR	7865.16	10355.9	195	.04232	64 1181 36844000
	FLIGHT-CONTROL-MEASUREMENT		AIR	7865.16	10355.9	36	.00267	66 1256 36846000
	AUT-0-DIRECTION-FINDER		AIR	5025.12	5943.06	31	.01194	63 1111 36848000
	RADAR-ASG-15-FIRE-CONTROL		SIM GND AIR	27.6322	62.889	390	.08463	64 1181 36850000
	CENTRAL-AIR-DATA-COMPUTER		HELI	233.333	392.363	120	.03	65 1215 36852000
.04 GENERATORS								
	AUDIBLE-WARNING-SYSTEM-MAXIMUM-SPEED		AIR	93.1472	48		.02472	45 1227 36854000
	EMERGENCY		AIR	37.7475	41		.061	58 212 36856000
	INTERROGATION-SIGNAL-DATA-CONVERTER		AIR	615.868	91.9201	195	.00374	63 1132 36858000
			SIM GND AIR	9.65			.02505	64 1181 36860000
			LAB				.03	63 1136 36862000
			LAB				.03	61 1071 36864000

ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

SECTION I FAILURE RATE DATA

PART CLASS	5'2 POWER SUPPLIES, ELECTRICAL, ROTATING	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURC	YR OF DATA RPT	CROSS INDEX REF NO
PART DESCRIPTION			ENVIRONMENT					
-C4 GENERATORS								
TACHOMETER	AIR	21.6006	38.022			.277	57	212 36864000
AUDIBLE-WARNING-SYSTEM-FIRE	AIR	24.3131	94.5708	76		.04113	65	1250 36864000A
TACHOMETER-ENGINE/AUXILIARY- POWER-UNIT-INSTRUMENTATION	AIR	25.2031	46.8987	384		.19776	65	1227 36868000
TACHOMETER-ENGINE-INSTRUMENTATION	AIR	28.6332	41.7852			.4537	66	1241 36870000
NAVIGATION-SUBSYSTEM	AIR	32.1508	71.5978	4		.09331	62	2322 36872000
TACHOMETER	AIR GND	46.2962	85.8748			.108	58	212 36874000
		64.6					63	2206 36876000
B-720	AIR	76.8196P	133.515P			.05207P	66	2400 36878000
TACHOMETER	MSL	111.111	247.437			.027	58	212 36880000
AUDIBLE-WARNING-SYSTEM-FIRE	AIR	121.399	270.258	48		.02472	65	1227 36882000
ASTRO-TRACKER-SUBSYSTEM	AIR	190.234	423.639	2		.01577	62	2322 36884000
	AIR	200	777.94	40		.005	62	1095 36886000
	MSL	200					58	212 36888000
MARKER-ELEC-SEARCH-RACAR-AN/APM-59	AIR	202.265	375.19	48		.02472	65	1227 36890000
POWER-SUPPLY-STIMULI-RACK	GRD	205.479	282.806			.0876	62	3141 36892000
TACHOMETER	AIR	231.578	308.634			.095	63	2120 36894000
	AIR	269.938	329.953			.163	61	1063 36896000
ELECTRICAL-POWER-880	AIR	410P					65	2363 36898000
TACHOMETER	AIR GND	588					61	212 36900000
ELECTRICAL-POWER-880	AIR	60CP					66	2365 36902000
ELECTRICAL-POWER-880	AIR	670P					66	2365 36904000
ELECTRICAL-POWER-880	AIR	760P					65	2365 36906000
ELECTRICAL-POWER-880	AIR	830P					66	2367 36908000
FREQUENCY-CALIBRATION-STIMULI-RACK	GRD	890.41	1034.05			.0876	62	1141 36910000
MOBILE-INSPECTION-UNIT								
ELECTRICAL-POWER-880	AIR	950P					65	2360 36912000
TACHOMETER	AIR	973.977	1030.77			.538	63	2114 36914000
INSTRUMENT-POWER-SUPPLY	AIR	1000	1854.94	16		.005	59	1110 36916000
ELECTRICAL-POWER-880	AIR	1050P					66	2363 36918000
ELECTRICAL-POWER-880	AIR	1060P					66	2360 36920000
ELECTRICAL-POWER-880	AIR	1100P					66	2363 36922000
POWER-SUPPLY-SYSTEM	AIR	1127.62	1330.21			.11283	65	1186 36924000
POWER-SUPPLY-SYSTEM	AIR	1187.62	1330.21			.11283	66	1241 36926000A
TACHOMETER	AIR	1787.03	1909.33			.216	63	2110 36928000
	AIR	4105.26	4384.68			.095	63	2120 36930000
	AIR	736.201	769.907	300		1.1342	65	1194 36932000
ELECTRICAL-SYSTEM (STORAGE)	MSL	2					65	2440 36934000
(STORAGE)			.476137			4.836	66	258 36936000A
(STORAGE)	MSL		.495183	1253		4.65	65	1234 36938000
	MELI	208.984	556.144	216		.00957	63	1114 36940000
POWER-SUPPLY-SYSTEM	AIR	325.119	387.571	812		.17332	64	1179 36942000
POWER-SUPPLY-SYSTEM	AIR	406.93	466.524	946		.22854	65	1228 36944000
	AIR	541.644	704.925	124		.048	63	1111 36946000
POWER-SUPPLY-SYSTEM	AIR	857.142	1270.11	48		.014	59	1110 36948000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	357 POWER SUPPLIES, ELECTRICAL, ROTATING	UPPER PART	PART	VR	CRS
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	NO COMP	DATA INDEX
		UNIT		LAT/AM	REF NO
04 GENERATORS					
ELECTRICAL-SYSTEM					
AC	HE-1	930.81	AIR	216	63 1118 34050000
AC	AIR	974.22	AIR	1814.00	67 1272 36952000A
AC	AIR	1488.78	AIR	1799.37	65 1195 36440000
AC	AIR	2144.90	AIR	2227.99	63 1114 36950000
AC	AIR	3361.11	AIR	3326.54	65 1110 36400000
AC	AIR	137.492	AIR	192.932	65 1198 36900000
AC	AIR	200	AIR	445.306	63 1114 36900000
AC	AIR	212.749	AIR	275.444	65 1198 36900000
AC	AIR	213.909	AIR	294.347	63 1114 36900000
AC	AIR	731.804	AIR	668.322	63 1198 36900000
AC	AIR	733.333	AIR	871.653	63 1114 36900000
AC	AIR	228.937	AIR	424.565	63 1132 36972000
AC	AIR	403.508	AIR	354.388	61 1084 36974000
AC	AIR	457.142	AIR	641.574	67 1082 36974000
AC	AIR	775	AIR	775	61 212 36970000
AC	AIR	1799.03	AIR	2443.09	63 1132 36900000
AC	AIR	2212.76	AIR	2879.69	63 1132 36902000
AC	AIR	4651.16	AIR	1237.4	63 1132 36934000
AC	AIR	322.58	AIR	436.231	63 1114 36900000
AC	AIR	588.639	AIR	634.979	65 1198 36900000
AC	AIR	1189.8	AIR	1267.61	63 1114 36900000
AC	AIR	1268.64	AIR	1335	65 1198 36902700
AC	AIR	1374.63	AIR	1793.48	63 1198 36994000
AC	AIR	1637.58	AIR	1780.27	63 1114 36900000
AC	AIR	7427.23	AIR	8488.76	65 1240 36998000A
AC	AIR	2227.4	AIR	2441.41	63 1123 37000000A
AC	AIR	700.961	AIR	1395.3	65 1247 37002000
AC	AIR	0	AIR	307.423	63 1132 37004000
AC	AIR	90.859	AIR	138.63	61 1088 37006000A
AC	AIR	72.9394	AIR	162.431	66 1250 37008000A
AC	AIR	242.718	AIR	319.412	65 1227 37010000
AC	AIR	273.556	AIR	333.804	66 1250 37012000A
AC	AIR	0	AIR	93.1472	65 1227 37014000
AC	AIR	3062.78	AIR	3781.78	66 1248 37014000A
AC	AIR	204.659	AIR	298.456	64 1144 37018000A
AC	AIR	1209	AIR	1109	66 2364 37020000
AC	AIR	1309	AIR	1309	65 2363 37020000
AC	AIR	1409	AIR	1409	65 2362 37024000
AC	AIR	1409	AIR	1409	66 2361 37024000
ELECTRICAL-POWER. 707-131					
ELECTRICAL-POWER. 33 (C7373C)					
ELECTRICAL-POWER. 707-3318					
ELECTRICAL-POWER. 707-331					

ROBE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 557 POWER SUPPLIES, ELECTRICAL, ROTATING  
PART DESCRIPTION FUNCTIONAL APPLICATION

4.4 GENERATORS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90% CONF. LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	160P				65	2362 37020000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	210P				66	2364 37030000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	210P				65	2364 37032000
AC-POWER	ELECTRICAL-POWER-727	AIR	240P				66	2363 37034000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	240P				66	2361 37034000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	240P				66	2364 37038000
AC-POWER	ELECTRICAL-POWER-707-331	AIR	250P				66	2364 37040000
AC-POWER	ELECTRICAL-POWER-727	AIR	250P				66	2360 37042000
AC-POWER	ELECTRICAL-POWER-331C/373C	AIR	250P				66	2363 37044000
AC-POWER	ELECTRICAL-POWER-331C/373C	AIR	250P				66	2360 37046000
AC-POWER	ELECTRICAL-POWER-331C/373C	AIR	250P				66	2365 37048000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	250P				66	2361 37050000
AC-POWER	ELECTRICAL-POWER-707-331	AIR	260P				66	2361 37052000
AC-POWER	ELECTRICAL-POWER-727	AIR	270P				65	2360 37054000
AC-POWER	ELECTRICAL-POWER-331C/373C	AIR	280P				66	2362 37056000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	280P				66	2362 37058000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	280P				66	2364 37060000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	280P				66	2361 37062000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	300P				66	2364 37064000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	300P				66	2364 37066000
AC-POWER	ELECTRICAL-POWER-707-331	AIR	310P				65	2364 37068000
AC-POWER	ELECTRICAL-POWER-707-331	AIR	310P				66	2362 37070000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	340P				66	2361 37072000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	340P				66	2361 37074000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	350P				66	2361 37076000
AC-POWER	ELECTRICAL-POWER-331C/373C	AIR	350P				65	2364 37078000
AC-POWER	ELECTRICAL-POWER-727	AIR	360P				65	2360 37080000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	370P				66	2363 37082000
AC-POWER	ELECTRICAL-POWER-707-331	AIR	390P				65	2361 37084000
AC-POWER	ELECTRICAL-POWER-707-331	AIR	390P				65	2361 37086000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	410P				66	2361 37088000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	420P				66	2362 37090000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	420P				66	2362 37092000
AC-POWER	ELECTRICAL-POWER-707-331B	AIR	430P				65	2361 37094000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	440P				66	2362 37096000
AC-POWER	ELECTRICAL-POWER-727	AIR	460P				66	2360 37098000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	460P				65	2361 37100000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	480P				65	2364 37102000
AC-POWER	ELECTRICAL-POWER-727	AIR	500P				66	2365 37104000
AC-POWER	ELECTRICAL-POWER-707-131B	AIR	510P				66	2362 37106000
AC-POWER	ELECTRICAL-POWER-727	AIR	540P				66	2365 37108000
AC-POWER	ELECTRICAL-POWER-331C/373C	AIR	540P				66	2363 37110000
AC-POWER	ELECTRICAL-POWER-727	AIR	570P				65	2363 37112000
AC-POWER	ELECTRICAL-POWER-727	AIR	610P				65	2365 37114000
AC-POWER	ELECTRICAL-POWER-707-131	AIR	630P				66	2362 37116000

HOME AIR DEVELOPMENT CENTER, GAFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	357 POWER SUPPLIES, ELECTRICAL, GENERATING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART PERCENT LATION	PART HOURS	YR OF DATA	CRDS
PART DESCRIPTION									
.04 GENERATORS									
AC-POWER	ELECTRICAL-POWER. NO 7-131		AIR	6.000				63	2342 37110000
AC-POWER	ELECTRICAL-POWER. NO 7-331		AIR	6.000				63	2342 37120000
AC-POWER	ELECTRICAL-POWER. NO 7-331		AIR	6.000				63	2342 37122000
AC/DC-AIR-TURBINE-DRIVEN			AIR	222.04	302.705		.00957	63	1123 37124000A
AC/DC-BRUSH. 115/200VAC.			AIR	8724.83	12723.4		.00149	63	1132 37126000
AC/DC-28VDC									
AC/DC-BRUSHLESS. 115/200VAC.			AIR	6.000.95	16352.7		.00029	63	1132 37128000
28VDC									
AC/DC-RAM-AIR			AIR	1675.07	3732.29	16	.00479	63	1132 37130000
AUDIO-FREQUENCY			LAS	.35				63	1136 37132000
AUXILIARY-GEARBOX. 115VAC			MELI	166.446	256.777	240	.94	63	1215 37134000
CLOCK-PULSE	COMPUTER (STORAGE)		AIR	1123.59	2582.17	36	.00267	64	1256 37136000A
DC			MEL	.1				65	2440 37138000
DC			LAS	.9				63	1138 37140000
DC			AIR GND	160				61	212 37142000
DC			MELI	183.434	322.376	150	.03267	63	1118 37144000
DC			AIR	984.347	600.256		.115	61	1004 37146000
DC			AIR GND	627				61	262 37148000
DC			MELI	746.266	2982.16	150	.00134	63	1118 37150000
DC			AIR GND	842.592	967.467		.100	58	212 37152000
DC			AIR	2702.7	4398.1		.00296	62	2708 37154000
DC-AIR-TURBINE-MOTOR-DRIVEN	F-111		AIR	47.1009	94.3651	50	.00478	63	1106 37156000
DC-AIR-TURBINE-MOTOR-DRIVEN			AIR	53.3333	104.58	30	.075	63	1114 37158000
DC-ENGINE-DRIVEN			AIR	344.401	392.108	200	.295	63	1114 37160000
DC-ENGINE-DRIVEN			AIR	356.005	402.075	200	.33012	63	1106 37162000
DC-SLIPRING			AIR	2621.72	4408.57	36	.00267	66	1256 37164000A
DC-100-AMP. 28V-DC	NA-1-POWER		AIR	1709.09	1957.91	320	.025	61	1000 37166000A
DC-POWER			AIR	107.006	128.314		.538	63	2114 37168000
DELAY-MONOSTABLE.			SUB	3000	6480.0	30	.001	63	1246 37170000
MULTIVIBRATOR									
DIESEL-ELEC			SHP	64.4206	77.6213		1.004	61	2208 37172000
DIESEL-ELEC				71.0597	133.295		.00550	63	2208 37174000
DIESEL-ELEC				80.1034	130.669		.13400	63	2208 37176000
DIFFERENTIAL			AIR	0	109.647	2	.821	62	1099 37178000
DIFFERENTIAL			AIR	0	95.9416	1	.024	62	1099 37180000
DIFFERENTIAL			AIR	0	56.1609	1	.041	62	1099 37182000
DIFFERENTIAL			AIR	0	383.766	1	.006	62	1099 37184000
DIFFERENTIAL			AIR	0	143.912	9	.016	62	1099 37186000
DIFFERENTIAL			AIR	0	104.663	1	.022	62	1099 37188000
DIFFERENTIAL			AIR	0	164.471	1	.014	62	1099 37190000
DIFFERENTIAL			AIR	0	191.883	5	.012	62	1099 37192000
DIFFERENTIAL			AIR	0	164.471	1	.014	62	1099 37194000
DIFFERENTIAL			AIR	6.12059	10.3072	38	1.142	62	1099 37196000
DIFFERENTIAL			AIR	16.8666	64.8281	18	.06	62	1099 37198000
DIFFERENTIAL			AIR	29.7927	36.2512	90	1.544	62	1099 37200000



# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

PART CLASS 547 POWER SUPPLIES, ELECTRICAL, ROTATING  
PART DESCRIPTION FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

UPPER PART PART YR CROSS  
90 COMF POPU- 3F DATA INDEX  
LIMIT LATION HOURS RPT SRCE REF NO

## 04 GENERATORS

DIFFERENTIAL	AIR	43.4782	169.117	3	-023	62 1099 37202000
DIFFERENTIAL	AIR	90.909	241.922	6	-022	62 1099 37204000
DIFFERENTIAL	AIR	183.206	241.095	17	-131	62 1099 37204000
DIFFERENTIAL	AIR	210.326	311.957	4	-057	62 1099 37208000
EMERGENCY-RAT-DRIVEN	AIR	362.318	944.184	52	-00552	65 1247 37210000
GAS			1315.77		-00175	63 211 37212000A
GAS			59.2232		-03888	63 211 37214000
GAS			153.504		-01500	63 211 37216000A
GAS			10903.7		-00300	63 211 37218000A
GAS-DRY-CHARGED	AIR LB	833.33	892.374	140	-02634	65 1191 37220000A
GAS-PROPELLANT-ACTUATED	SIM MSL	607.441	5616.09	811	-00041	65 1220 37222000A
GAS-SQUIB-ACTIVATED	LAB		84.499	175	-02725	64 1191 37224000A
N-5-PROPELLANT	LAB		153.504	75	-015	64 1191 37226000A
GAS-SQUIB-ACTIVATED	GRD		4.0439	120	-5694	64 1191 37228000
N-5-PROPELLANT	AIR	83.7871	222.97	62	-02387	63 1111 37230000
GAS-SQUIB-ACTIVATED	SIM GRD AIR 125	486.212		139	-008	63 1117 37232000A
N-5-PROPELLANT	SIM GRD AIR 372.054	587.267	390		-02419	64 1181 37234000
GATE	AIR	837.871	1133.01	62	-02387	63 1111 37236000
GATE-ALTITUDE-TIMING	AIR	41.8935	162.953	62	-02387	63 1111 37238000
GATE-ALTITUDE-UNBLANK	AIR	83.7871	222.97	62	-02387	63 1111 37240000
GATE-SWEEP	AIR	83.7871	222.97	62	-02387	63 1111 37242000
GENERATOR-A.C.	AIR	200P				65 2330 37244000
GENERATOR-D.C.	AIR	100P				65 2330 37246000
HARMONIC	SIM GRD AIR 248.138	552.588	195		-01269	64 1181 37248000A
HARMONIC	SIM GRD AIR 250	645.287	139		-008	63 1117 37250000
HB-SWEEP	AIR	3947.36	8798.52		-00076	62 2700 37252000
IGNITION	AIR	49.0869	91.0534	812	-10184	64 1179 37254000
IGNITION-EXCITER	AIR	30.6292	51.5047	946	-22854	65 1228 37256000
INDUCTION	SIM GRD AIR 47.2589	125.743	195		-04232	64 1181 37258000A
INDUCTION	SIM GRD AIR 66.8666	177.41	278		-03	63 1117 37260000
LB-SWEEP	AIR	2702.7	7192.29		-00074	62 2700 37262000
MAIN	HELI	57.8034	153.823	40	-0346	64 1257 37264000
MARKER-ELEC	HELI	78.9265	307	40	-01267	64 1257 37266000
MAXIMUM-SPEED	AIR	218.818	345.392	76	-04113	64 1250 37268000A
MECHANICAL-OR-IVE	AIR	48.6263	129.001	74	-04113	64 1250 37270000A
MECHANICAL-ORIVE	AIR	2702.7	7192.29		-00074	62 2700 37272000
MECHANICAL-ORIVE	AIR	1.55P				65 2590 37274000
MECHANICAL-ORIVE	AIR	9.14P				65 2590 37276000
ENGINE-DRIVEN	AIR	2.37P				65 2590 37278000

# ARMY AIR DEVELOPMENT CENTER, GRAPPLISS AFB, N.Y. SECTION I FAILURE RATE DATA

## MODEL-ELECTRONIC PART FAILURE RATE DATA

JANUARY, 1964

PART CLASS	357 POWER SUPPLIES, ELECTRICAL, ROTATING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SINCE REF HQ	CORES INDEX
PART DESCRIPTION									
-04 GENERATORS									
MECHANICAL-DRIVE.			AIR	3.49				65	2590 37280000
ENGINE-DRIVEN			AIR	1.03P				65	2590 37280000
MECHANICAL-DRIVE-AIM-DRIVEN			AIR	2.07P				65	2590 37280000
MECHANICAL-DRIVE-AIM-DRIVEN			AIR	0				62	2700 37280000
NOISE	F-111		SIM AIR	166.644	4264.07		-00094	63	1103 37280000A
NOISE-ASSEMBLY	F-111		AIR	2321.5	443.525		.012	62	2700 37280000
PROPULSION	F-111		AIR	19002	24688.2		-01205	62	2700 37280000
PULSE	PROPELLER-ASSEMBLY		SUB	6.44496	.440977	281	15.15	64	1261 37280000A
PULSE	PROPELLER-ASSEMBLY		AIR	27.5791	14.3524	400	-44548	63	1198 37280000
PULSE	SMEEP-TRIGGER-RADAR-ASB9		AIR	83.752	39.6509	200	-50763	65	1198 37280000
PULSE	SECTOR-SCAN-RADAR-ASB9		AIR	335.608	325.77	31	-01194	63	1111 37280000
PULSE	F-111		AIR	5354.54	669.476	31	-01194	63	1111 37280000
PULSE	F-111		AIR	10937.5	12146.9		-00055	62	2700 37302000
PULSE-COMMAND	HYDROMATIC-PROPELLER		AIR	16.129	02.737	272	-00044	62	2700 37304000
PULSE-COMMAND	HYDROMATIC-PROPELLER		AIR	39.64	57.0198	408	-533	63	1114 37304000
PULSE-COMMAND	STIMULI-RACK		GRD	764.64	899.075		-0074	62	1141 37310000
PULSE-TIMING	RADAR-PRESENTATION-ASB9		AIR	1061.15	1317.69	93	-03501	63	1111 37310000
PULSE-TRANSISTOR	PANEL-ASSEMBLY		SUB	1322.75	2453.62	5	-00378	63	1246 37314000
PULSE-TRANSISTOR	PANEL-ASSEMBLY		SUB	1333.33	2644.51	5	-003	64	1161 37314000A
PULSE-IF	TOSS-BOMB-COMPUTER		SIM GRD AIR	1693.69	2056.41	195	-02775	64	1161 37318000A
PULSE-REPETITION-FREQUENCY	RADAR-ASB9		AIR	251.361	441.227	62	-02387	63	1111 37320000
REFERENCE			LAB	.94				63	1138 37322000
REFERENCE-TUNING-FORK			AIR GRD	90.909	353.609	250	-011	65	1221 37324000
REFERENCE-SIGNAL-2-CHANNEL	TOSS-BOMB		SIM GRD AIR	324.324	511.927	195	-02775	64	1181 37324000A
REFERENCE-SIGNAL-4-CHANNEL	TOSS-BOMB		SIM GRD AIR	432.432	640.776	195	-02775	64	1181 37328000A
RF	STIMULI-RACK-MOBILE-INSPECTION-UNIT		GRD	1449.77	1628.95		-0876	62	1141 37330000
SCAN	SEARCH-RADAR		AIR	6741.57	9272.02	34	-00267	66	1256 37332000A
SCAN-PATTERN	TARGET-SEEKER-SYSTEM		GRD	5217.39	7731.1		-0023	62	1135 37334000
SERVO				250				61	285 37336000
SERVO-MOTOR				272				61	285 37338000
SIGNAL	F-111		AIR	0	4039.64		-00057	62	2700 37340000
SIGNAL	F-111		AIR	0	4039.64		-00057	62	2700 37342000
SIGNAL	AN/AQA-3-RECORDER-SYSTEM		AIR	247.408	343.661	48	-06869	64	1142 37344000
SIGNAL	F-111		AIR	4310.34	6440.79		-00232	62	2700 37346000
SIGNAL	F-111		AIR	6250	12689.9		-00064	62	2700 37348000
SIGNAL	F-111		AIR	6546.85	7795.02		-00955	62	2700 37350000
SIGNAL	STIMULI-RACK-MOBILE-INSPECTION-UNIT		GRD	1073.05	1229.28		-0876	62	1141 37352000
FREQUENCY-CALIBRATION	STIMULI-RACK		GRD	1986.3	2193.52		-0876	62	1141 37354000
SIGNAL-FN			LAB	0	118.142		-01949	65	1222 37356000A
SIGNAL-7-SEGMENT									
COUNTDOWN-TIME									
SPECTRUM	RECEIVER-TRANSMITTER-RT-435		AIR	79.8403	212.467	195	-02505	64	1181 37358000A
SPECTRUM	RECEIVER-TRANSMITTER-RT-435		SIM	111.111	295.683	139	-018	63	1117 37360000
SPECTRUM	RECEIVER-TRANSMITTER-RT-435		AIR	119.76	266.898	195	-02505	64	1181 37362000A

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# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	557 POWER SUPPLIES, ELECTRICAL, ROTATING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT	CROSS INDEX REF NO
.04 GENERATORS									
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	120.905	172.965	100	.11637	64	1198 37344000
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	161.812	323.363	48	.02472	65	1227 37344000
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	200	445.386	68	.015	63	1114 37348000
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	204.545	281.321	102	.088	63	1114 37370000
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	212.749	275.464	50	.12691	64	1198 37372000
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	316.07	460.927	76	.04.13	66	1250 37374000A
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	377.966	698.855	50	.08478	63	1198 37376000
STAB-DATA	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	AIR	671.426	815.221	50	.070	63	1114 37378000
STANDBY/STARTER	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	WELL	144.508	260.054	40	.0344	66	1257 37380000
STANDBY/STARTER	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	WELL	157.853	420.071	40	.01267	66	1257 37382000
STANDBY/STARTER	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	WELL	294.117	782.691	20	.0068	66	1257 37384000
STARTER	SEARCH-RADAR-AM/APN59-CN221A	SEARCH-RADAR-AM/APN59-CN221A	WELL	740.74	1490.28	20	.0054	66	1257 37386000
SWEET	RADAR-PRESENTATION-SET-ASB9	RADAR-PRESENTATION-SET-ASB9	AIR	4644.92	6893.62	124	.138	59	1078 37388000
SWEET	SYNCHRONIZER-TBSS-80MB-COMPUTER	SYNCHRONIZER-TBSS-80MB-COMPUTER	AIR	83.7696	167.404	124	.04775	63	1111 37390000
SWEET	INDICATOR-TBSS-80MB-COMPUTER	INDICATOR-TBSS-80MB-COMPUTER	SIM GAO AIR	108.108	246.749	195	.02775	64	1181 37392000A
SWEET	SEARCH-RADAR-ASG15	SEARCH-RADAR-ASG15	SIM GAO AIR	360.36	553.194	195	.02775	64	1181 37394000A
SWEET	FIRE-CONTROL-SYSTEM	FIRE-CONTROL-SYSTEM	AIR	11139	12481.7	31	.01194	63	1111 37396000
.05									
SWEET-PULSE	TBSS-80MB-COMPUTER	TBSS-80MB-COMPUTER	SIM GAO AIR	1332.33	1466.65	125	.02775	64	1181 37398000A
SYNCHRONIZER	RADAR	RADAR	SIM GAO AIR	300	526.605	139	.02	63	1117 37400000
SWEET-INDICATOR	RADAR	RADAR	SIM GAO AIR	400	849.735	139	.02	63	1117 37402000
SYNCHRONIZER	RADAR-SYSTEM	RADAR-SYSTEM	SIM GAO AIR	1750	2193.57	139	.02	63	1117 37404000
REFERENCE-SIGNAL	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	21.7391	38.1597	272	.274	59	1070 37406000
SYNCHRONIZER-PULSE-SWEEP	ENGINE-INDICATING-800	ENGINE-INDICATING-800	AIR	32.258	85.8435	272	.062	63	1114 37408000
TACHOMETER	ENGINE/AUXILIARY-POWER-UNIT-INSTRUMENT	ENGINE/AUXILIARY-POWER-UNIT-INSTRUMENT	LAB	50				61	1064 37410000
TACHOMETER	ENGINE/AUXILIARY-POWER-UNIT-INSTRUMENT	ENGINE/AUXILIARY-POWER-UNIT-INSTRUMENT	AIR	57.7907	78.7511	600	.329	66	1250 37412000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	SUB	80.7248	97.6095	60	.607	63	1092 37414000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	89.2857	165.619	60	.654	61	1082 37416000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	LAB	100				61	1086 37418000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	128.834	172.909	400	.163	61	1083 37420000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	169.717	196.905	400	.46548	65	1198 37422000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	200	777.94		.005	61	1064 37424000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	200P				65	2330 37426000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	211.042	262.851	812	.17532	64	1179 37428000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	230P				65	2363 37430000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	262.536	311.538	946	.22854	65	1228 37432000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	333.333	505.116	64	.018	59	1110 37434000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	343.634	491.729	320	.055	61	1080 37436000
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	437.385	464.894	1194	1.0357	67	1272 37438000A
TACHOMETER	ENGINE-INSTRUMENTATION	ENGINE-INSTRUMENTATION	AIR	518.413	571.059	408	.353	63	1114 37440000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I - FAILURE RATE DATA

SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1957

PART CLASS	357 POWER SUPPLIES, ELECTRICAL, ROTATING	FAILURE RATE	UPPER PART	PART	YR	GROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	NO COMP LAYTON	INCHES	OF DATA	INDEX
					RPT	SACE REF NO
.04 GENERATORS						
TACHOMETER		AIR	551.926	643.997	244	.12692
TACHOMETER		AIR	573.913	675.482		.115
TACHOMETER	ENGINE-INSTRUMENTATION	AIR	309.761	646.08	200	.33912
TACHOMETER	ENGINE-INSTRUMENTATION	AIR	626.44	673.981	200	.50763
TACHOMETER	ENGINE-INSTRUMENTATION	AIR	632.107	655.2	200	.299
TACHOMETER	ELECTRICAL-SYSTEM	AIR	693.642	981.251	124	.21597
TACHOMETER-MB-6		AIR	136.042	199.557	248	.095
TACHOMETER-MIL-C-9398	POWER-TURBINE	MELI	100	175.535	240	.06
TACHOMETER-MIL-C-9398	ENGINE	MELI	200	351.07	120	.03
TACHOMETER-TV-PER-1000RPA		GRD	0	892.48		.00258
TONE	AUDIO-SYSTEM	AIR	54.4217	108.755	104	.0735
TORGUE	INERTIAL-GUIDANCE-SYSTEM(100-DEG-F)	GRD	92.2443			.11922
TRANSMITTER-FREQUENCY	AMPLER	SEM	640 AIR 500	999.193	139	.008
CONVERTER						
YUB-YONE	F-111	AIR	11764.7	16914.2		.00119
YUB-SIGNAL	F-111	AIR	1784.38	6824.03		.00757
100002M		AIR	340			
2-1/2KVA	EMERGENCY-POWER-SYSTEM	AIR	80.9061	215.303	48	.02472
2-1/2KVA		AIR	48.6263	129.401	76	.04113
EMERGENCY-POWER-SYSTEM						
20KVA, 400C		AIR	2000	2366.51		.03100
28V		AIR	27			
28V		AIR	196			
28V		AIR	200			

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	562 POWER SUPPLIES, ELECTRICAL, STATIC	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART NUMBER	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT	SACE REF NO
AMPLIFIER-APR-6			AIR	25.5735	220.344	50	.01045	63	1198 37480000
FIRE-CONTROL-AMPLIFIER-SIGHT-SYSTEM			SIM GRD AIR	85.6164	82.9765	195	.02775	64	1131 37490000
RADIO-RECEIVER-TRANSMITTER-IFF-SET.			SIM GRD AIR	94.3618	91.9201	195	.02505	64	1181 37492000A
APX-25									
LAUNCHING-MISSILE-CONTROL-EQUIPMENT			GRD	25.5735	30.1776	365	2.5026	64	1210 37494000
TOTALIZER-FUEE-QUANTITY.			GRD	85.6164	121.531		.1752	62	1141 37496000
ENGINE-INSTRUMENTATION			AIR	94.3618	153.275	50	.00478	63	1198 37498000
RECEIVER-COMMAND-SYSTEM			GRD	126.502	492.367		.0079	62	1135 37500000
FUEL-QUANTITY-ENGINE-INSTRUMENTATION			AIR	126.798	195.36	200	.33912	63	1198 37502000
PRE-LAUNCH-MISSILE-CONTROL-EQUIPMENT			GRD	165.289	439.859		.0121	62	1141 37504000
DYNAMETER-PP-2792/ARM-300			HELI	185.185	726.314	20	.0054	66	2257 37506000
NAVIGATIONAL-COMPUTER			AIR	194.552	756.75		.00514	65	1188 37508000
AN/ARC-34X-UMF-COMMUNICATION			AIR	285.192	373.159	466	.08766	64	1179 37510000
AN/ARC-34X-UMF-COMMUNICATION			AIR	295.429	328.452	597	.51789	67	1272 37512000A
AMPLIFIER-ALL-ATTITUDE-REFERENCE			SIM GRD AIR	302.969	430.062	195	.04951	64	1181 37514000A
AN/ARC-34X-UMF-COMMUNICATION			AIR	306.292	383.928	473	.11427	65	1228 37516000
ERASE-CONTROL-OPTICAL-DISPLAY			SIM GRD AIR	324.324	511.927	195	.02775	64	1181 37518000
AN/ART-28-RADAR-TRANSMITTER			AIR	364.103	505.592	63	.04669	64	1153 37520000
GYRO-SPIN-NAVIGATIONAL-COMPUTER			AIR	389.105	1035.46		.06514	65	1188 37522000
AJB-7-LOFT-BOMB-COMPUTER			AIR	425.318	590.595		.03997	65	1188 37524000
MICROWAVE-OSCILLATOR-TARGET-SEEKER			GRD	434.782	1691.17		.0023	62	1135 37526000
RADAR			SIM GRD AIR	574.18	679.403	195	.02775	64	1181 37528000A
ELECTRICAL-SYSTEM			AIR	632.911	1174.01	68	.10798	65	1153 37530000
DATA-LINK-CONVERTER-COMMAND-SYSTEM			GRD	844.373	1004.99	48	.0079	62	1135 37532000
AN/AQB-3-RECORDER-SYSTEM			AIR	934.297	1105.51		.06869	64	1162 37534000
AJB-3A-LOFT-BOMB-RELEASE-COMPUTER			AIR	1297.58	1443.65	180	.06636	65	1188 37536000
FUEL-SYSTEM-ENGINE-INSTRUMENTATION			AIR	1517.26	1765.58	390	.11637	65	1198 37538000
AN/ASQ-37			SIM GRD AIR	1725.63	1894.87	50	.05009	64	1181 37540000
FUEL-SYSTEM-ENGINE-INSTRUMENTATION			AIR	1834.86	3646.76		.12691	65	1198 37542000
ALTITUDE-SET-APM-159			AIR	1848.38	2077.39	48	.00218	66	1241 37544000A
AN/ASA-31-JULIE-TARGET-COMPUTER			AIR	1901.9	2273.86	63	.06869	64	1162 37546000
AN/ASN-28-RADAR-TRANSMITTER			AIR	2067.82	2705.64	195	.04642	64	1153 37548000
DOPPLER-NAVIGATION-SYSTEM			SIM GRD AIR	2296.65	3022.34	50	.01209	64	1181 37550000
TV-VIEW-FINGER.			AIR				.01045	63	1198 37552000
FLIGHT-TRACK-NAVIGATION									
CONTROL-ARMAMENT-SYSTEM			AIR	2621.72	4408.57	36	.00267	66	1256 37554000A
AN/AP-32-RADAR-SET			AIR	6366.86	6804.32	63	.04384	63	1135 37556000A
COMMAND-UMF			AIR	11610.4	14767.7	36	.00267	66	1256 37558000A
AN/ASQ-37			SIM GRD AIR	119.76	268.698	195	.02505	64	1181 37560000A
LOGAR-AN/APN-70			AIR	25.7798	57.4099	100	.11637	65	1198 37562000
VAB28-KLYSTRON-FILAMENT			SHP	525.131	658.237	40	.06465	65	1223 37564000
DC-0-18V-15A			LAB	32.0225	49.336	86	.31228	65	1222 37566000A
DC-0-36V-50A			LAB	4.44286	17.2814	62	.23508	65	1222 37568000A
DC-10V-REGULATED-TRANSISTOR			SUB	500	1113.46	10	.006	64	1161 37570000A

.00 M.O.C.

ROME AIR DEVELOPMENT CENTER, GRAFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LMT	PART POPU- LATION	PART HOURS	YR OF DATA RPT SACE REF NO	CROSS INDEX
DC-150V-22A	STIMULI-RACK		LAB	14.3307	55.7423	20	.00978	65	1222 37572000A
DC-150V-300V	RADAR-TRANSPONDER-GUIDANCE		GRD	1518.26	1701.28		.0076	62	1141 37574000
DC-150V	EVALUATOR/PROGRAMMER		GRD	1518.98	2250.82		.0079	62	1135 37574000
DC-18V			GRD	627.853	750.701		.0476	62	1141 37578070
DC-24/36V-INPUT. 5V-OUTPUT. PRECISION			GRD	423.728	846.774	27	.00944	66	2245 3758000A
DC-250V	RADAR-TRANSPONDER-GUIDANCE		GRD	3164.55	4140.65		.0079	62	1135 37582000
DC-28V	EVALUATOR/PROGRAMMER		GRD	570.776	688.807		.0076	62	1141 37584000
DC-28V-10A			LAB	65.9195	256.407	4	.01517	65	1222 37586000
DC-28V-15A			LAB	37.2485	82.95	56	.00054	65	1222 37588000
DC-28V-50A			LAB	6	27.5134	32	.08369	65	1222 37590000
DC-30V-REGULATED-TRANSISTOR HIGH-VOLTAGE			SUB	1666.66	2567.77	10	.006	64	1141 37592000
HIGH-VOLTAGE	OPTICAL-DISPLAY		SIM GRD AIR	82.9765	195		.02775	64	1181 37594000A
HIGH-VOLTAGE	SIGHT-SYSTEM		SIM GRD AIR	72.072	191.794	195	.02775	64	1181 37596000A
HIGH-VOLTAGE	FLIGHT-SCOPE-TBC		SIM GRD AIR	504.504	725.333	195	.02775	64	1181 37598000A
HIGH-VOLTAGE	PANEL-ASSEMBLY		SUB	1587.3	2786.26	5	.02378	65	2246 37600000
HIGH-VOLTAGE	PANEL-ASSEMBLY		SUB	2000	3510.7	5	.003	64	1161 37602000A
INVERTERS	TARGET-SEEKER-SYSTEM		GRD	22000	29320.2		.001	62	1135 37604000
INVERTERS-STATIC. 30VDC-10115/200VAC-400CPS	DC-POWER-SUPPLY-SYSTEM		AIR	50.2037	65.3351	597	.51789	67	1272 37606000
INVERTERS-STATIC. 30VDC-10115/200VAC-400CPS	POWER-SUPPLY-SYSTEM		LAB	204.081	793.816	7	.0049	66	1259 37608000A
INVERTERS-STATIC. 30VDC-10115/200VAC-400CPS			GRD	0	1145.57	6	.00201	65	1187 37610000A
ISOLATION	(H-MINUTES)		MSL	0	.104604M	4	.22M	65	1187 37612000A
LOW-VOLTAGE	TARGET-SEEKER-SYSTEM		GRD	1282.05	2378.12		.0039	62	1124 37614000
MINUS-250VDC	TOSS-3000-COMPUTER		SIM GRD AIR	108.108	240.749	195	.02775	64	1181 37616000
PLUG-IN	MA-1-POWER		AIR	2621.72	4408.57	36	.00267	66	2256 37618000A
PP-1073	MISSILE-LAUNCH-COMPUTER		SIM GRD AIR	82.9765	195		.02775	64	1181 37620000A
PP-1073	SEARCH-RADAR-AM/APN-39		AIR	588.639	658.47	200	.23274	65	1198 37622000
PP-1073	SEARCH-RADAR-AM/APN-55		AIR	795.839	907.241	50	.12691	65	1198 37624070
PP-1073A	SEARCH-RADAR-AM/APN-55		AIR	1360.04	1558.35	50	.08478	65	1198 37626000
PP-1073A	SEARCH-RADAR-AM/APN-59		AIR	809.061	998.991	94	.04944	65	1227 37628000
PP-1170	SEARCH-RADAR-AM/APN-59		AIR	1701.92	1901.47	152	.08226	66	2250 37630000A
PP-1170	GLIDE-SLOPE-AM/ARM-31		AIR	19.7591	41.9375	50	.12691	65	1198 37632000
PP-3256	GLIDE-SLOPE-AM/ARM-10/31		AIR	35.3857	78.8016	50	.08478	63	1198 37634000
PP-3256	LOMAN-SYSTEM-AM/APN-121		AIR	202.265	375.19	48	.02472	65	1227 37636000
RECTIFIER-3-PHASE	LOMAN-SYSTEM-AM/APN-151		AIR	267.444	403.553	76	.04113	66	2250 37638000
RECTIFIER-3-PHASE-PANEL	PANEL		SUB	224.274	311.426	660	.0758	65	2246 37640000
REFERENCE. 50VDC-COMP-21	MA-1-POWER		SUB	30.03	116.007	198	.0333	64	1161 37642000A
STATIC	POWER-SUPPLY-SYSTEM		AIR	1123.59	2502.17	36	.00267	66	2256 37644000A
STATIC	POWER-SUPPLY-SYSTEM		AIR	43.756	81.1647	473	.11427	65	1228 37646000
STATIC-INVERTER	ELECTRICAL-POWER-727		AIR	91.1277	148.07	406	.08776	64	1179 37648000
STATIC-INVERTER	ELECTRICAL-POWER-727		AIR	220P				66	2363 37650000
STATIC-INVERTER	ELECTRICAL-POWER-727		AIR	610P				66	2365 37652000
STATIC-INVERTER	ELECTRICAL-POWER-727		AIR	710P				66	2363 37654000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

PART CLASS 562 POWER SUPPLIES, ELECTRICAL, STATIC  
PART DESCRIPTION FUNCTIONAL APPLICATION

100 M.O.C.

STATIC-INVERTER ELECTRICAL-POWER-727  
STATIC-INVERTER ELECTRICAL-POWER-727  
STATIC-INVERTER ELECTRICAL-POWER-727  
TRANSISTOR-15/5-V MA-1-POWER  
10V  
105-VOLT  
105-VOLT  
105-VOLT  
105-VOLT  
13-1/2-VOLT  
13-1/2-VOLT  
13-1/2-VOLT  
13-1/2-VOLT  
15 / 30 VDC-SOLID-STATE  
15VDC  
15VDC  
150VDC  
2-V  
225V  
28-VOLT  
28-VOLT  
28V/13V  
32V  
30V-REGULATOR-TRANSISTOR  
30V-REGULATOR-TRANSISTOR  
410M-1  
410M-1  
5-1/2 / 4-VOLT  
5-1/2 / 4-VOLT  
5-1/2 / 4-VOLT  
5-1/2 / 4-VOLT  
55V-REGULATOR-TRANSISTOR  
650V-NOM-REGULATED-PI-POWER

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
AIR	910P				65	2365 37650000
AIR	1020P				65	2363 37650000
AIR	1280P				66	2365 37640000
AIR	2996.25	4866.92	36	.00267	66	1256 37662000A
SUB	397.35	884.874	10	.00755	65	1246 37664000
SUB	15.413	28.5903	54	.3244	65	1249 37666000
LAB	17.5617	32.5759	54	.28471	65	1209 37668000
SUB	37.5117	55.5847	54	.3194	65	1249 37670000
LAB	42.8021	63.4239	54	.28036	65	1209 37672000
SUB	1.54107	5.99429	108	.6489	65	1249 37674000
LAB	1.7562	6.8311	108	.56941	65	1209 37676000
SUB	4.68896	10.442	108	.6398	65	1249 37678000
LAB	5.35035	11.9148	108	.56071	65	1209 37680000
SHP	7.3066	11.8683	440	1.0949	65	1223 37682000
SHP	75.0187	139.155	40	.06665	65	1223 37684000
SHP	195.040	284.44	40	.06665	65	1223 37686000
SHP	90.0225	158.021	40	.06665	65	1223 37688000
GRD	0	794		.0029	62	1141 37690000
GRD	0	697.757		.0033	62	1141 37692000
LAB	6.25195	16.6373	54	.3199	65	1249 37694000
LAB	7.13368	18.9838	54	.28036	65	1209 37696000
SIM GRD AIR	0	91.9201	195	.02505	64	1181 37698000A
SUB	1589.4	2355.17	10	.00755	65	1246 37700000
SUB	250	972.425	27	.004	64	1161 37702000A
SUB	765.23	1293.5	180	.0091	65	1246 37704000
AIR	122.133	155.345	100	.25382	65	1198 37706000
AIR	294.88	355.859	100	.16956	63	1192 37708000
LAB	36.9913	54.8136	54	.3244	65	1249 37710000
LAB	37.5117	55.5847	54	.3199	65	1249 37712000
LAB	38.6358	58.2984	54	.28471	65	1209 37714000
LAB	42.8021	63.4239	54	.28036	65	1209 37716000
SUB	1319.22	1751.45	240	.0206	65	1246 37718000
SUB	263.157	1023.6	30	.0038	65	1246 37720000

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	566 PAOS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF RPT	CROSS DATA INDEX	REF NO
.00 N.B.C.										
BUMPER		TAIL-SKID-FUSELAGE-CTR-BELOW-WL200	AIR	40	54.0773	50	.079	63	1114	37722000
BUMPER		TAIL-SKID-FUSELAGE-CTR-BELOW-WL200	AIR	50.9761	199.397	50	.08478	63	1198	37724000
BUMPER		TAIL-SKID-FUSELAGE-CTR-BELOW-WL200	AIR	125	188.615	102	.088	63	1114	37724000
BUMPER		TAIL-SKID-FUSELAGE-CTR-BELOW-WL200	AIR	133.333	394.82	68	.015	63	1114	37722000
BUMPER		TAIL-SKID-FUSELAGE-CTR-BELOW-WL200	AIR	141.932	195.859	50	.12691	65	1198	37730000
JACKING		LANDING-GEAR-NOSE	AIR	328.544	405.488	100	.11637	65	1198	37732000
JACKING		LANDING-GEAR-MAIN	AIR	8.7512	34.0395	473	.11427	65	1228	37734000
JACKING		LANDING-GEAR-MAIN	AIR	11.4077	30.3576	812	.17532	64	1179	37736000
JACKING		LANDING-GEAR-MAIN	AIR	24.2536	46.0842	944	.22854	65	1228	37738000
JACKING		LANDING-GEAR-MAIN	AIR	34.2231	74.2126	404	.78766	64	1179	37740000
JACKING		LANDING-GEAR-NOSE	AIR	40.5522	49.8102	1194	1.0357	67	1272	37742000
STRAP		TANK-ENGINE-OIL-SYSTEM	AIR	52.1346	67.5032	597	.51789	67	1272	37744000
				0	2.47333	806	.9309	65	1198	37746000



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	567 PANS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX REF
PART DESCRIPTION									
.00 N.O.C.									
DRAIN		AIR-CONDITIONER-VENT-SYSTEM	AIR	0	13.9975	304	.1445	66	1250 37740000
DRAIN		AIR-CONDITIONER-VENT-SYSTEM	AIR	0	23.2868	192	.09888	65	1227 37750000
DRAIN		WATER-SYSTEM	AIR	0	2.01593	450	1.1422	65	1198 37752000
DRAIN		WATER-SYSTEM	AIR	.954834	3.71402	900	1.0473	65	1198 37754000
DRAIN		WATER-SYSTEM	AIR	11.7932	45.8799	50	.00478	64	1198 37756000
DRAIN		EMERGENCY-EXTENSION.	AIR	0	50.9834	76	.04113	66	1250 37758000
		NOSE-LANDING-GEAR							
DRIP		NO-2-HYDRAULIC-SYSTEM	AIR	0	50.9834	76	.04113	66	1250 37760000
DRIP		NO-2-HYDRAULIC-SYSTEM	AIR	0	53.1472	48	.02472	65	1227 37762000
DRIP		EMERGENCY-EXTENSION.NOSE-LANDING-GA	AIR	0	93.1472	48	.02472	65	1227 37764000
DRIP		NO-1-HYDRAULIC-SYSTEM	AIR	0	93.1472	48	.02472	65	1227 37766000
DRIP		HYDRAULIC-POWER-SUPPLY	AIR	0	6.59562	300	.34911	65	1198 37768000
DRIP		NO-1-HYDRAULIC-SYSTEM	AIR	97.2524	184.348	7	.04113	66	1250 37770000
INDUCTION-AIR		ENGINE	MELI	133.526	615.387	40	.0346	66	1257 37772000
OIL-ENGINE		TURBOPROP-POWER-PLANT	AIR	0	2.47333	800	.93097	65	1198 37774000
OIL-ENGINE		TURBOPROP-POWER-PLANT	AIR	0	4.53598	200	.50763	65	1198 37776000
OIL-ENGINE		TURBOPROP-POWER-PLANT	AIR	0	6.78992	200	.33912	63	1198 37778000
OIL-RIDGE		ENGINE	MELI	78.9265	307	40	.01267	66	1257 37780000
OIL-PIDGE		ENGINE	MELI	115.606	231.027	40	.0346	66	1257 37782000

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

# SEMICONDUCTOR PART FAILURE RATE DATA

# January 1964

[illegible]

ARMED AIR DEVELOPMENT CENTER, GRIFFIN  
SECTION 1 FAILURE RATE DATA

# NON-ELECTRONIC PARTY FAILURE RATE DATA

PART CLASS. 56

## FUNCTIONAL APPLICATION

**DEC 10 1960**

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE	CROSS INDEX REF NO
VHF-COMMUNICATION-SYS-AN/ARC-49	AIR	8.7512	34.0395	473	.11427	65	1228 37840000
STATION-CAMERA	AIR	8.7512	23.2882	946	.22854	65	1228 37870000
INSTRUMENT-STUDENT-COMPARTMENT	AIR	8.7512	34.0395	473	.11427	65	1228 37872000
CONSOLE-VERTICAL-INSTRUCTOR-COMPARTMENT	AIR	8.7512	23.2882	946	.22854	65	1228 37874000
ENGAGE/APP-AUTOPILOT-SYSTEM	AIR	8.75503	13.4085	450	1.1422	65	1198 37876000
UHF-COMMUNICATION-AN/ARC-34-SYSTEM	AIR	9.98701	38.8465	384	1.0013	66	1225 37878000
VHF-NAV-SYS-AN/ARM-14-C-996A	AIR	11.4077	44.3725	406	.08766	64	1179 37880000
SYMBOLIZERS-YAW-ROLL-PITCH	AIR	11.4077	44.3725	406	.08766	64	1179 37882000
VHF-COMMUNICATION-SYS-AN/ARC-49	AIR	11.4077	44.3725	406	.08766	64	1179 37884000
INSTRUMENT-STUDENT-COMPARTMENT	AIR	11.4077	44.3725	406	.08766	64	1179 37886000
MANUAL-RAMP-CONTROL-DEBR-HYDRAULIC	AIR	11.7952	45.8799	50	.08478	63	1198 37888000
P-A-SYSTEM	AIR	11.7952	45.8799	90	.08478	63	1198 37890000
ENGAGE/APP-AUTOPILOT-SYSTEM	AIR	11.7955	18.6184	450	.763	63	1198 37892000
CENSOLE-INSTRUCTOR-COMPARTMENT	AIR	11.8196	20.7475	200	.50763	65	1198 37894000
ENGAGE/APP-AUTOPILOT-SYSTEM	AIR	11.8894	19.2799	450	.674	63	1114 37896000
VHF-NAV-SYS-AN/ARM-14-C-996A	AIR	13.2644	18.0823	3720	1.4324	63	1111 37898000
MANUAL-WAMP-CONTROL-DEBR-HYDRAULIC	AIR	13.3333	51.8626	50	.075	63	1114 37900000
CONTROL-FIRE-EXTINGUISHER-SYSTEM	AIR	15.1133	22.3948	910	.794	63	1114 37902000
ENGAGE/APP-AUTOPILOT-SYSTEM	AIR	16.1812	43.0806	240	.1236	65	1227 37904000
INSTRUMENT-INSTRUCTOR-COMPARTMENT	AIR	17.5024	46.5765	473	.11427	65	1228 37906000
HF-COMMUNICATION-SYSTEM-614C-2	AIR	20.1342	44.8375	100	.149	63	1114 37910000
CONTROL-WING-SPOILER-SYSTEM	AIR	20.2565	25.8711	2736	1.481	66	1250 37912000
SYMBOLIZERS-YAW-ROLL-PITCH	AIR	21.427	83.3447		.04867	63	1123 37914000
VHF-COMMUNICATION-SYS-614D-6	AIR	22.8154	60.7152	406	.08766	64	1179 37916000
CONTROL-FLIGHT-DECK	AIR	24.3131	94.5708	76	.04113	66	1250 37918000
CONTROLS-YAW-DAMPER-RUDDER-AFCS	AIR	24.3131	94.5708	76	.04113	66	1250 37920000
VHF-COMMUNICATION-SYS-AN/ARC-49	AIR	26.2336	58.465	473	.11427	65	1228 37922000
SHELTER-MONITOR-LAUNCHING-EQUIPMENT	GRO	28.5388	52.9377		.1792	62	1141 37924000
CONTROL-S-AN/ARC-30-HF-COMMUNICATION-SYSTEM	AIR	28.7631	64.0536	63	1.043	64	1140 37926000
NADAR-PRESSURE-SYSTEM-C-1173	AIR	31.5182	62.9859	50	.12651	65	1198 37928000
VHF-COMMUNICATION-SYS-AN/ARC-49	AIR	34.2231	76.2126	406	.08766	64	1179 37930000
VHF-NAV-SYS-AN/ARM-14-C-996A	AIR	35.0048	69.9531	473	.11427	65	1228 37932000
VHF-NAV-SYS-AN/ARM-14-C-996A	AIR	35.3857	78.8016	50	.08478	63	1198 37934000
CLEARANCE-PLANE-INDICATOR-TESTS-BOMB-COMPUTER	SIM	36.036	140.169	195	.02775	64	1181 37936000
CONTROLS-AN/AMD-13-AUTO-DIRECTION-FINDER	AIR	37.5234	74.9863	63	1.046	64	1140 37938000
VHF-NAV-SYS-AN/ARM-14-C-996A	AIR	40	89.0773	50	.075	63	1114 37940000
YAW-DAMPER-RUDDER-AFCS	AIR	40.453	157.35	48	.02472	65	1227 37942000
HF-COMMUNICATION-SYS-614C-2	AIR	40.453	157.35	48	.02472	65	1227 37944000
P-A-SYSTEM	AIR	40.453	157.35	48	.02472	65	1198 37946000

ROME AIR DEVELOPMENT CENTER, GRIP-133 ARB, R.V.  
SECTION I FAILURE RATE DATA

MODEL ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS 540 PANELS

PART DESCRIPTION

.00 M.O.C.

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER NO COMP LIMIT	PART POSITION LATITUDE	PART HOURS	YR RPT	DATA INDEX	CROSS REF NO
YAW-DAMPER, RUDDER, APC	AIR	40.453	137.35	48	.02472	65	1227	37940000
UNF-COMMUNICATION, AN/ARC-34	AIR	40.453	137.35	48	.02472	65	1227	37940000
CONTROL, FUEL-SYSTEM	AIR	42.9664	79.7	100	.11637	65	1198	37952000
VHF-COMMUNICATION-SYS-614U-6	AIR	43.756	81.1647	473	.11427	65	1228	37954000
P-A-SYSTEM, AN/AIC-13	AIR	43.9545	80.8357	102	.088	63	1114	37944000
INSTRUMENT, INSTRUCTOR-COMPARTMENT	AIR	43.9545	80.8357	102	.088	63	1114	37944000
WING, BUTTERFLY, FLIGHT-CONTROL-SYSTEM	AIR	43.9545	80.8357	102	.088	63	1114	37944000
MONITOR-SCREEN, FLIGHT-TRACK-NAV	AIR	43.9545	80.8357	102	.088	63	1114	37944000
VHF-NAV-SYS, AN/ARN-14, C-996A	AIR	48.1316	71.3349	126	.21597	64	1179	37950000
P-A-SYSTEM, AN/AIC-13, C-1614	AIR	55.1571	92.7499	50	.22054	65	1198	37962000
P-A-SYSTEM, AN/AIC-13, C-1614	AIR	55.1571	92.7499	50	.22054	65	1198	37962000
RADAR-PRESSURE-SYSTEM-C-1173	AIR	55.1571	92.7499	50	.22054	65	1198	37962000
CONSOLE, INSTRUCTOR-COMPARTMENT	AIR	60.1529	101.15	100	.12691	65	1198	37964000
VHF-NAV-SYS, AN/ARN-14, C-996A	AIR	61.2504	88.8721	546	.11637	65	1198	37964000
UNF-COMMUNICATION, AN/ARC-34	AIR	64.5161	171.687	134	.22054	65	1228	37970000
VHF-COMMUNICATION-SYS-614U-6	AIR	64.5161	171.687	134	.031	63	1114	37976000
VHF-NAV-SYS, AN/ARN-14, C-996A	AIR	66.6666	259.313	48	.015	63	1114	37976000
RADAR-PRESSURE-SYSTEM-C-1173	AIR	68.1818	119.602	102	.068	63	1114	37980000
INTERCOM, AN/AIC-18A, C-2104	AIR	70.7714	124.220	50	.06478	63	1198	37982000
COMPARTMENT	AIR	76.1501	188.133	812	.17532	64	1179	37984000
VHF-COMMUNICATION-SYS-614U-6	AIR	79.772	134.141	50	.08775	65	1198	37986000
INTERCOM, AN/AIC-18A, C-2105	AIR	79.8539	114.807	812	.17532	64	1179	37988000
RADIO-COMPASS, AN/ARN-6, C-1513	AIR	80.9001	215.303	48	.02472	65	1227	37990000
VHF-COMMUNICATION-SYSTEM	AIR	81.6326	163.133	102	.049	63	1114	37992000
CONTROL, AUXILIARY, FIRE-CONTROL-SYSTEM	AIR	83.752	325.77	31	.01194	63	1111	37994000
CONTROL, AIR-COMMUNICATION	AIR	83.752	325.77	31	.01194	63	1111	37994000
CONSOLE, INSTRUCTOR-COMPARTMENT	AIR	85.5578	121.448	812	.17532	64	1179	37996000
CONTROL, AN/ARN-21-UNF-NAVIGATION-SET	AIR	87.0322	173.924	63	.04596	64	1195	38000000
TUNER, TRANSMITTER, ALT-68	AIR	89.7558	127.407	434	.16712	63	1111	38002000
CONTROL, SELECT-IDENTIFICATION-FREQUENCY, APA-89	AIR	94.3173	188.482		.04241	63	1123	38004000
VHF-COMMUNICATION-SYS, AN/ARC-49	AIR	94.3618	153.275	50	.08478	63	1198	38006000
STATION, CAMERA	AIR	95.7243	213.171	150	.09134	63	1198	38008000
CONTROL, INTERPHONE, AIC-10A	AIR	97.0017	129.277	589	.2268	63	1111	38010000
VHF-COMMUNICATION-SYSTEM	AIR	100.623	186.451		.74949	63	1123	38012000
VHF-COMMUNICATION-SYS-614U-6	AIR	100.623	155.043		.09937	63	1123	38014000
CONSOLE, VERTICAL, STUDENT COMPARTMENT	AIR	102.669	141.206	812	.17532	64	1198	38016000
VHF-NAV-SYS, AN/ARN-14, C-996A	AIR	103.119	135.703	200	.23274	65	1198	38018000
INTERCOM, AN/AIC-18A, C-2105	AIR	103.119	135.703	200	.23274	65	1198	38020000
RADAR-PRESSURE-SYSTEM-C-1173	AIR	103.896	168.762	340	.077	63	1114	38022000
RADIO-COMPASS, AN/ARN-6, C-1513	AIR	105.06	136.13	306	.245	63	1114	38024000
VHF-COMMUNICATION-SYS, AN/ARC-49	AIR	106.666	173.262	50	.075	63	1114	38026000

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## FUNCTIONAL APPLICATION

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**January 1959**

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## FUNCTIONAL APPLICATION

DESCRIPTION	QTY	UNIT	PRICE	TOTAL
CONTROL S. ELECTRICAL SYSTEM				
INTERCOM. AM/AIC-10A.-C-2104	126	AIR	314.426	39,727.58
CONTROL S. GENERATOR, AC-POWER-SYSTEM	500	AIR	345.449	172,724.50
CONTROL S. AM/ARC-52-UNP-COMMUNICATION SYSTEM	124	AIR	418.048	51,837.95
CONTROL S. AM/ARC-52-UNP-COMMUNICATION SYSTEM	63	AIR	419.103	26,383.49
CONTROL S. AM/ASA-24-NAVIGATION-COMPUTER	63	AIR	490.237	30,944.93
SLAVING/ADDRESS. STIMUL I-RACK				
STAN-BATA. ASTROCOMPASS. MD-1	93	GRD	440.034	41,023.16
UNP-COMMUNICATION. AM/ARC-34	50	AIR	474.727	23,736.35
CONTROL S. AM/AIC-10. INTERPHONE	944	AIR	483.044	456,813.54
CONTROL S. COMPUTER. ASD-15. FINE-CONTROL-SYSTEM	31	AIR	483.081	15,055.51
CONTROL S. COMPUTER. ASD-15. FINE-CONTROL-SYSTEM	31	AIR	501.312	15,540.67
INTERCOM. AM/AIC-10-C-823	150	AIR	503.263	75,489.45
INTERCOM. AM/AIC-10-C-823	150	AIR	523.243	78,486.45
ENGINE/APP. AUTOPILOT-SYSTEM	50	AIR	504.294	25,214.70
ENGINE/APP. AUTOPILOT-SYSTEM	50	AIR	506.646	25,332.30
ENGINE/APP. AUTOPILOT-SYSTEM	45	AIR	511.343	23,100.44
INTERCOM. AM/AIC-10-C-823	150	AIR	533.333	79,999.95
INTERCOM. AM/AIC-10-C-823	150	AIR	533.333	79,999.95
RADAR-PRESSURE-SYSTEM. C-1173	150	AIR	564.444	84,666.60
SEARCH-RADAR. AM/APN-59-C-1242	50	AIR	589.761	29,488.05
VHF-NAV-SYS. AM/ARM-14-C-994A	31	AIR	670.816	20,805.30
UNP-COMMUNICATION. AM/ARC-34	102	AIR	681.818	69,585.44
SEARCH-RADAR. AM/APN-59-C-1242	30	AIR	685.714	20,571.42
ATTENUATOR. FREQUENCY-CONTROL	128	GRD	730.993	93,567.10
SIMULATOR. GAIN-CONTROL. STIMUL I-RACK	50	GRD	742.009	37,100.45
UNP-COMMUNICATION. AM/ARC-34	30	AIR	756.441	22,693.23
SIMULATOR. DELAY-LINE.	50	GRD	867.379	43,368.95
MOBILE-INSPECTION				
CONTROL S. AM/AIC-10. INTERPHONE	312	AIR	872.639	272,163.27
CONTROL S. AC	320	AIR	945.454	302,765.28
RADIO-COMPASS. AM/ARM-6-C-1513	200	AIR	971.087	194,217.40
CONTROL S. OMNI-DIRECTIONAL-RADIO. B10	31	AIR	1030.92	31,958.52
CONTROL S. SEARCH-RADAR. AM/APS-42-C-B10	50	AIR	1079.13	53,956.50
SIMULATOR. LOCAL-OSCILLATOR. HOSTLE-UNIT	22	GRD	1141.55	25,114.10
RADIO-COMPASS. AM/ARM-6-C-1513	31	AIR	1172.52	36,358.12
CONTROL S. SEARCH-RADAR. AM/APS-42-C-B10	50	AIR	1200	60,000.00
RADAR-CONTROL-SET.				
TARGET-SENER-SYSTEM	49	GRD	1304.34	64,102.66
SIMULATOR. RF-AMPLIFIER. STIMUL I-RACK	7	GRD	1472.4	10,306.80

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	540 PANELS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE REF NO	
ACCESS		CONTROL-CAMERA-APR-6	AIR	1555.55	2236.44	50	.009	63	1114 38184000
ACCESS		CONTROL-S-AN/APS-82-RADAR-SET	AIR	1619.71	1802.18	126	.08767	64	1155 38184000
ACCESS		VHF-NAV-SYS-AN/ARM-14-C-996A	AIR	1926.29	2550.52	31	.01194	63	1111 38184000
ACCESS		CONTROL-TEMPERATURE	AIR	2086.66	2264.07		.10016	64	1263 38184000
ACCESS		CABIN/PRESSURE-SUIT							
ACCESS		TARGET-SEEKER-SYSTEM	GRD	2318.84	3253.85		.0069	62	1135 38192000
ACCESS		MONITOR-SCREENER-FLIGHT-TRACK-NAVIGATION	AIR	2503.73	3345.38	50	.01043	63	1198 38194000
ACCESS		CONSOLE-VERTICAL-STUDENT-COMPARTMENT	AIR	2808.88	3759.6	50	.009	63	1114 38194000
ACCESS		UP-HORSE-COLLAR-MACELLE	AIR		4.53593	200	.50763	65	1198 38198000
ACCESS		ANT I-ICING-VALVE	AIR		192.847	31	.01194	63	1111 38200000
ACCESS		FUSELAGE-FORWARD	AIR		93.1472	48	.02472	65	1227 38202000
ACCESS		FUSELAGE-FORWARD-C-79C	AIR		93.1472	48	.02472	65	1227 38204000
ACCESS		DORSAL-FIN	AIR		19.7868	100	.11637	65	1198 38204000
ACCESS		WING-OUTER	AIR		1.97868	1000	1.1837	65	1198 38209000
ACCESS		HORIZONTAL-STABILIZER-EMPENNAGE	AIR		2.16613	2064	1.063	65	1227 38210000
ACCESS		FUSELAGE-FORWARD	AIR		59.9834	76	.04113	66	1290 38212000
ACCESS		DRY-BAY-CMS-1.5	AIR		19.7868	100	.11637	65	1198 38214000
ACCESS		HORIZ-STAB-EMPENNAGE	AIR		2.16613	2064	1.063	65	1227 38216000
ACCESS		ANT I-ICING-VALVE	AIR		3.29776	600	.64823	65	1198 38218000
ACCESS		FIN-DORSAL-EMPENNAGE	AIR		27.9417	152	.08226	66	1290 38220000
ACCESS		FIN-DORSAL-EMPENNAGE	AIR		46.5736	96	.04944	65	1227 38222000
ACCESS		HORIZONTAL-STABILIZER-EMPENNAGE	AIR		2.19881	3268	1.769	66	1250 38224000
ACCESS		ENGINE-MACELLE	AIR	.565291	1.26415	1534	.79104	65	1227 38226000
ACCESS		PYLON/WING	AIR	4.05241	9.02445	1368	.7403	66	1250 38228000
ACCESS		FUSELAGE-CENTER	AIR	4.55927	8.00311	2432	1.316	66	1250 38230000
ACCESS		DORSAL-FIN	AIR	5.68181	22.1005	204	.176	63	1114 38232000
ACCESS		UP-HORSE-COLLAR-MACELLE	AIR	7.8796	30.6492	50	.12691	65	1198 38234000
ACCESS		DORSAL-FIN	AIR	10.0374	22.3438	200	.299	63	1114 38236000
ACCESS		UP-HORSE-COLLAR-MACELLE	AIR	11.2636	44.2011	102	.088	63	1114 38238000
ACCESS		DORSAL-FIN	AIR	11.7952	23.5714	200	.3912	63	1198 38240000
ACCESS		PYLON/WING	AIR	11.7952	45.8799	50	.08478	63	1198 38242000
ACCESS		FIN-DORSAL-EMPENNAGE-C-79C	AIR	13.3333	51.8626	50	.075	63	1114 38244000
ACCESS		PYLON/WING	AIR	19.6989	36.5404	180	.25382	65	1198 38246000
ACCESS		FUSELAGE-FORWARD	AIR	26.6666	70.964	2	.075	63	1114 38248000
ACCESS		PYLON/WING	AIR	27.2161	42.6059	864	.44496	65	1227 38250000
ACCESS		DORSAL-FIN	AIR	34.0301	57.2236	388	.2057	64	1290 38252000
ACCESS		CRY-BAY-CBS-1.5-344	AIR	66.6666	123.662	50	.075	63	1114 38254000
ACCESS		UP-HORSE-COLLAR-MACELLE	AIR	82.5666	138.84	7	.08478	63	1198 38256000
ACCESS		DORSAL-FIN-344	AIR	102.434	133.308	100	.25382	63	1198 38258000
ACCESS			AIR	113.636	175.075	10	.088	63	1114 38260000

-.00 N.O.C.

ARMC AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
 SECTION 1 FAILURE RATE DATA  
 NON-ELECTRONIC PART FAILURE RATE DATA  
 JANUARY 1960

PART CLASS	308 PANELS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF. LIMIT	PART HOURS	YR OF DATA INDEX	CROSS REF NO
PART DESCRIPTION							
.06 M.B.C.							
ACCESS	ENGINE-MACELLE-344	AIR	116.193	167.775	15	65	1196 3034-2000
ACCESS	FUSELAGE-CENTER	AIR	121.359	213.027	90	65	1227 3024-0000
ACCESS	DOOR-SAL-FIN	AIR	222.222	591.304	90	63	1114 3024-0000
ACCESS	FUSELAGE-CENTER	AIR	243.081	374.304	76	66	1250 3024-0000
ACCESS	FUSELAGE-DOOR	AIR	243.081	374.304	76	66	1250 3024-0000
ACCESS	DOOR-SAL-FIN	AIR	302.173	644.933	90	63	1196 3027-0000
ACCESS	WING-OUTER	AIR	617.343	674.092	400	63	1114 3027-0000
ACCESS	DOOR-SAL-FIN	WELL	964.044	1230.99	120	65	1215 3027-0000
ACCESS	UP-MORSE-COLLAR-MACELLE	AIR	1034.04	1130.44	150	63	1198 3027-0000
ACCESS	UP-MORSE-COLLAR-MACELLE	AIR	1000	1174.31	150	63	1114 3028-0000
ADAPTER	F-111	AIR	0	500		62	2700 3028-0000
ADP-CONTROL	ADP-B-770	AIR	180			64	2300 3028-0000
ADP-AND-VIS-DISTRIBUTION	F-111	AIR	8333.33	14427.9		62	2700 3028-0000
AIR-REFUELING		AIR	0	1104.9	31	63	1111 3028-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	370P			66	2364 3029-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	400P			66	2364 3029-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	420P			65	2364 3029-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	450P			66	2364 3029-0000
AP-CONTROL	AUTO-PILOT-331C/373C	AIR	470P			65	2365 3029-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	470P			66	2362 3029-0000
AP-CONTROL	AUTO-PILOT-800	AIR	500P			66	2365 3029-0000
AP-CONTROL	AUTO-PILOT-331C/373C	AIR	510P			66	2365 3029-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	530P			66	2361 3030-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	530P			65	2362 3030-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	670P			66	2364 3031-0000
AP-CONTROL	AUTO-PILOT-707-131	AIR	680P			64	2361 3031-0000
AP-CONTROL	AUTO-PILOT-707-131	AIR	680P			66	2364 3031-0000
AP-CONTROL	AUTO-PILOT-707-131	AIR	7-0P			65	2364 3031-0000
AP-CONTROL	AUTO-PILOT-707-131B	AIR	840P			66	2361 3032-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	840P			64	2361 3032-0000
AP-CONTROL	AUTO-PILOT-707-131	AIR	910P			65	2362 3032-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	930P			65	2364 3032-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	930P			66	2362 3032-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	940P			66	2364 3032-0000
AP-CONTROL	AUTO-PILOT-800	AIR	940P			65	2365 3033-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	960P			66	2361 3033-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	1010P			66	2362 3033-0000
AP-CONTROL	AUTO-PILOT-331C/373C	AIR	1020P			66	2363 3033-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	1030P			65	2361 3033-0000
AP-CONTROL	AUTO-PILOT-800	AIR	1060P			66	2365 3034-0000
AP-CONTROL	AUTO-PILOT-707-131B	AIR	1080P			66	2362 3034-0000
AP-CONTROL	AUTO-PILOT-707-331	AIR	1100P			66	2361 3034-0000
AP-CONTROL	AUTO-PILOT-331C/373C	AIR	1120P			65	2363 3034-0000
AP-CONTROL	AUTO-PILOT-707-331B	AIR	1140P			66	2362 3034-0000





ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	560 PANELS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SINCE	CROSS INDEX REF NO
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	300P				65	2364 38440000
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	400P				66	2361 38442000
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	410P				66	2361 38444000
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	420P				66	2361 38446000
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	430P				65	2364 38448000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	430P				65	2363 38450000
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	450P				66	2361 38452000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	480P				65	2365 38454000
AUDIO-SELECTOR		COMMUNICATIONS-331C/373C	AIR	480P				66	2360 38456000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	480P				66	2360 38458000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	510P				66	2360 38460000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	550P				66	2363 38462000
AUDIO-SELECTOR		COMMUNICATIONS-331C/373C	AIR	560P				65	2363 38464000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	570P				65	2360 38466000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	600P				66	2363 38468000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	630P				66	2365 38470000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	660P				66	2365 38472000
AUDIO-SELECTOR		COMMUNICATIONS-880	AIR	670P				66	2360 38474000
AUDIO-SELECTOR		COMMUNICATIONS-707-131	AIR	780P				65	2361 38476000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	810P				66	2365 38478000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	810P				65	2365 38480000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	930P				66	2365 38482000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	1020P				65	2363 38484000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	1350P				66	2360 38486000
AUDIO-SELECTOR		COMMUNICATIONS-727	AIR	1370P				65	2360 38488000
BONDED-WING		ELECTRICAL-POWER-680	AIR	6.98141	11.3401	2976	1-1459	53	1111 38490000
BUS-PROTECTION		ELECTRICAL-POWER-331C/373C	AIR	19.6587	36.4657	150	.25434	63	1198 38492000
BUS-PROTECTION		F-111	AIR	150P				66	2365 38494000
C-AND-1		ELECTRICAL-SYSTEM	AIR	300P				66	2363 38496000
CAUTION-LIGHT		F-111	AIR	12121.2	17008.7		.00132	62	2780 38498000
CONTROL		TRANSPONDER-DC-8	AIR	1320.74	1307.71	597	.51789	67	1272 38500000A
CONTROL		ADF-DC-9	AIR	6493.5	12045		.00077	62	2700 38502000
CONTROL		ADF	AIR					66	2380 38504000
CONTROL		DC-POWER-SUPPLY	AIR					66	2380 38506000
CONTROL		MARKER	AIR		96.4641	62	.02307	63	1111 38510000
CONTROL		RF-COMMUNICATIONS-DC-8	SUB	9.24784	20.5943	54	.3244	65	1249 38512000
CONTROL		TRANSPONDER-DC-8	SUB	10.537	23.4652	54	.28471	65	1209 38514000
CONTROL		RADAR	SUB	12.5039	24.9876	54	.3199	65	1249 38516000
CONTROL		RADAR-TOSS-BOMB-SYSTEM	SUB	14.2673	28.5117	54	.28036	65	1209 38518000
CONTROL			AIR	30				66	2380 38520000
CONTROL			AIR	50				66	2380 38522000
CONTROL			AIR	70				66	2380 38524000
CONTROL			AIR	70				66	2380 38526000
CONTROL			SIM GRD AIR	72.072	191.794	195	.02775	64	1181 38528000A

PART CLASS	568 PANELS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA RPT SRCE REF	CROSS INDEX
PART DESCRIPTION									
CONTROL		LAUNCHING-EQUIPMENT-CHECKOUT-SYSTEM	GRO	79.9086	134.371		-0.876	62	1141 38530000
CONTROL		ADF	AIR	120				66	2380 38532000
CONTROL		TRANSFENDER	AIR	140				66	2380 38534000
CONTROL		GENERATOR-AC-POWER-SUPPLY	AIR	185.614	210.665	500	-58185	65	1198 38536000
CONTROL		GENERATOR-AC-POWER-SUPPLY	AIR	198.569	223.216	250	-63454	65	1198 38538000
CONTROL		MOBILE-INSPECTION-UNIT-VAN	GRO	246.803	386.26		-0.876	62	1141 38540000
CONTROL		AUTOMATIC-DIRECTION-FINDER	AIR	312.5	406.89	26	.08	64	1153 38542000
CONTROL		VHF-COMMUNICATIONS-DC-8	AIR	330				66	2380 38544000
CONTROL		AUTO-PILOT-FLIGHT-SYSTEM	AIR	364.077	574.676	48	-0.2472	65	1227 38546000
CONTROL		VHF-COMMUNICATION	AIR	376.87	416.068		-46435	65	1196 38548000
CONTROL		AN/AIC-18-INTERPHONE-SYSTEM	AIR	430.626	457.94	1194	1.0337	67	1272 38550000A
CONTROL		LORAN-DC-8	AIR	440				66	2380 38552000
CONTROL		VHF-COMMUNICATION	AIR	455.827	582.605	300	1.1342	66	2380 38554000
CONTROL		GENERATOR-ELECTRICAL-SYSTEM	AIR	550				65	1196 38556000
CONTROL		VHF-COMMUNICATION	AIR	562.239	627.416	150	-25434	63	1198 38558000
CONTROL		GENERATOR-AC-POWER-SUPPLY	AIR	566.343	720.772	96	-0.4944	65	1227 38560000
CONTROL		VHF-RADIO-OMNIRANGE-NAVIGATION	AIR	590				66	2380 38562000
CONTROL		AUTO-FLIGHT-DC-8	AIR	650				66	2380 38564000
CONTROL		AUTO-FLIGHT	AIR	656.455	849.969	76	-0.4113	66	1250 38566000
CONTROL		AUTO-PILOT-FLIGHT-SYSTEM	AIR	749.063	1993.37	36	-0.0267	66	1256 38570000A
CONTROL		GYRO-POWER-ARMAMENT-SYSTEM	AIR	751.946	815.956	200	-33912	63	1198 38572000
CONTROL		GENERATOR-DC-POWER-SUPPLY	AIR	996.839	1153.27	152	-0.8226	66	1250 38574000
CONTROL		VHF-RADIO-OMNIRANGE-NAVIGATION	AIR	1003.77	1039.82	152	1.325	64	1153 38576000
CONTROL		GENERATOR-AC-POWER-SUPPLY-MAIN	AIR	1068.09	1734.93	82	-0.0749	63	1132 38578000
CONTROL		AC-POWER-STIMUL I-RACK	GRO	1735.15	1920.8		-0.876	62	1141 38580000
CONTROL		INERTIAL-NAVIGATION-SET-ASM-56	AIR	5555.55	21609.4		-0.0018	66	1241 38582000A
CONTROL		VACUUM/PRESSURE-CALIBRATION-RACK	GRO	*	548.238		-0.0042	62	1141 38584000
CONTROL-AC-POWER		ELECTRICAL-POWER-88C	AIR	1250P				66	2360 38586000
CONTROL-ADF			AIR	1000P				65	2380 38588000
CONTROL-AUTO-PILOT		AUTO-PILOT-727	AIR	340P				65	2363 38590000
CONTROL-AUTO-PILOT		AUTO-PILOT-727	AIR	940P				66	2363 38592000
CONTROL-AUTO-PILOT		AUTO-PILOT-727	AIR	1950P				66	2363 38594000
CONTROL-AUTOPILOT		AUTO-PILOT-727	AIR	400P				66	2365 38596000
CONTROL-AUTOPILOT		AUTO-PILOT-727	AIR	750P				66	2368 38598000
CONTROL-AUTOPILOT		AUTO-PILOT-727	AIR	910P				65	2365 38600000
CONTROL-AUTOPILOT		AUTO-PILOT-727	AIR	1100P				65	2368 38602000
CONTROL-AUTOPILOT		AUTO-PILOT-727	AIR	1250P				66	2360 38604000
CONTROL-AUTOPILOT		AUTO-PILOT-727	AIR	1500P				66	2365 38606000
CONTROL-GENERATOR-DC			AIR	200P				65	2330 38608000
CONTROLS		LANDING-GEAR	AIR	48.6263	129.401	76	-0.4113	66	1250 38610000
DATA-INPUT		C-2275/ARM	HEL I	555.555	1237.18	20	-0.054	66	1257 38612000
DC-METER		AN/ASN-24-NAVIGATION-COMPARTMENT	AIR	*	55.9834	76	-0.4113	66	1250 38614000
DC-POWER-DISTRIBUTION		F-111	AIR	351.617	652.229		-0.1422	62	2700 38616000
			AIR	1088.77	1587.76	31	-0.1194	63	1111 38618000



# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

JANUARY 1968

## SECTION I FAILURE RATE DATA

## HOME ELECTRONIC PART FAILURE RATE DATA

PART CLASS	500 PANELS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
ISOLATION		HF-ANTENNA-MORIZ-STAB-EMPER	AIR	0	93.1472	48	.02472	65	1227 38702000
JUNCTION		EVALUATOR/PROGRAMMER	GPD	194.063	249.474		.0376	62	1141 38704000
LOBAK-CONTROL		LOBAK-B-720	AIR	440				66	2380 38706000
LRU-BLOWER		F-111	AIR	0	412.652		.00558	62	2700 38708000
LRU-CONTROL		F-111	AIR	9401.7	12530		.00234	62	2700 38710000
LRU-METER		F-111	AIR	564.971	2197.27		.00177	62	2700 38712000
MAINTENANCE			SUB	9.24784	20.5943	54	.3244	65	1249 38714000
MAINTENANCE			SUB	10.537	23.4452	54	.28471	65	1209 38716000
MAINTENANCE			SUB	34.3857	51.8854	54	.3152	65	1249 38718000
MAINTENANCE			LAB	39.2352	59.2029	54	.28036	65	1205 38720000
MANUAL			AIR	83.752	325.77	31	.01154	63	1111 38722000
MEMORY-PEAK-VOLTAG		PRESENT-POSITION-ASTROCOMPASS-MO-1	GRD	2477.16	2706.88		.0876	62	1141 38724000
METER		STIMULI-WACK	AIR	0	1005.5		.00229	62	2700 38726000
METER/COUNTER			GRD	79.9086	134.371		.0876	62	1141 38728000
MONITOR		STIMULI-PACK-MOBILE-UNIT	AIR	0	11.1966	380	.00565	66	1250 38730000
MONITOR		INTERCOM-SYSTEM-AN/AIC-16	AIR	16.1812	43.0606	240	.1236	65	1227 38732000
MONITORING		INTERCOM-SYSTEM-AN/AIC-18	AIR	73.3746	91.1134	597	.31789	67	1272 38734000
MOSE-SECTION		SPEED-BRAKE-FUSELAGE-CENTER	HELI	9.62927	25.6249	240	.2077	66	1251 38736000
MOSE-SECTION			HELI	26.3157	70.0302	240	.076	66	1251 38738000
PNEUMATIC		GUN-TURRET-FIRE-CONTROL-SYSTEM	AIR	0	192.847	31	.01194	63	1111 38740000
PNEUMATIC/HYDRAULIC VAC			G4D	1428.57	3181.33		.0021	62	1141 38742000
POWER-DISTRIBUTION		F-111	AIR	0	1934.93		.00119	62	2700 38744000
POWER-DISTRIBUTION		F-111	AIR	0	496.25		.00464	67	2700 38746000
POWER-DISTRIBUTION		F-111	AIR	298.804	665.418		.01004	62	2700 38748000
POWER-DISTRIBUTION		F-111	AIR	398.406	1549.68		.00251	62	2700 38750000
POWER-DISTRIBUTION		F-111	AIR	537.634	1197.27		.00558	62	2700 38752000
POWER-DISTRIBUTION		F-111	AIR	1256.28	2330.32		.00398	62	2700 38754000
POWER-DISTRIBUTION		F-111	AIR	1315.78	5118.02		.00076	62	2700 38756000
POWER-DISTRIBUTION		F-111	AIR	1562.5	6077.65		.03964	62	2700 38758000
POWER-DISTRIBUTION		F-111	AIR	2457.46	3583.23		.00529	62	2700 38760000
POWER-DISTRIBUTION		F-111	AIR	4166.66	9278.88		.00672	62	2700 38762000
POWER-INPUT		EVALUATOR/PROGRAMMER	G4D	228.31	308.734		.0876	62	1141 38764000
POWER-TEST		MOBILE-INSPECTION-UNIT-VAN	GRD	878.995	1021.81		.0876	62	1141 38766000
PROTECTION		GENERATOR-POWER-CONTROL	AIR	88.9967	134.289	240	.1236	65	1227 38768000
PROTECTION		GENERATOR-AC-POWER-CONTROL	AIR	184.779	229.451	300	.2565	64	1250 38770000
PROTECTION		AC-POWER-SUPPLY-SYSTEM	AIR	214.404	259.21	945	.22854	65	1226 38772000
PROTECTION		BUS-ELECTRICAL-SYSTEM	AIR	229.236	270.153	75	.28355	65	1196 38774000
PROTECTION		AC-POWER-SUPPLY-SYSTEM	AIR	290.896	350.382	812	.17532	64	1179 38776000
PROTECTION		ELECTRICAL-SYSTEM	AIR	346.625	371.255	1194	1.0357	67	1272 38778000
PROTECTION		GENERATOR-115VAC	HELI	933.333	1202.64	120	.03	65	1215 38780000
PROTECTION		BUS-AC-POWER-CONTROL	AIR	1191.34	1440.53	76	.04113	66	1250 38782000
PROTECTION		BUS-AC-POWER-CONTROL	AIR	1294.49	1640.07	48	.02472	63	1227 38784000
PROTECTION-AC			AIR	300P				65	2330 38786000
RADAR-CONTROL		RADAR-B-720	AIR	180				54	2390 38788000

ASAC AIR DEVELOPMENT CENTER, ORIENTAL AFB, TEX.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 368 PANELS

PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER LIMIT	PART TYPE	70 OF DATA INDEX	CODES
.00 N.B.C.						
RELAY						
RELAY	ELECTRICAL-DISTRIBUTION-SYSTEM	64.5002	121.497	AIR	65 1100	36740000
RELAY	SYSTEM-CIRCUITS	120.582	492.367	GRD	62 1135	36772000
RELAY	MISCELLANEOUS-CIRCUITS	154.998	272.076	AIR	66 1241	36794000
RELAY	ARMAMENT-CONTROL	169.707	339.14	AIR	66 1241	36794000
RELAY	FREQUENCY-CALIBRATION	459.834	562.134	AIR	66 1241	36794000
RELAY	MOBILE-INSPECTION	205.479	282.504	GRD	62 1141	36808000
SELECTOR	AUDIO	150		AIR	60 2390	36822000
SELECTOR	AUDIO-DC-B	420		AIR	60 2390	36822000
SELF-TEST	COMMUNICATION-SYSTEM	391.44	420.408	AIR	65 1194	36804000
SELF-TEST	F-111	917.37		AIR	62 2790	36804000
SIGNAL-PATCH	ARMAMENT-SYSTEM	749.883	1993.37	AIR	66 1226	36810000
MOBILE-INSPECTION-UNIT		22.831	60.7568	GRD	62 1141	36812000
SIGNAL-SELECT	F-111	5263.15	11728.7	AIR	62 2780	36814000
SIGNAL-SELECT	AC-REGULATOR-MOBILE-UNIT	91.3242	140.341	GRD	62 1141	36814000
SKIN	FUSELAGE-LOWER	4.61463	18.7274	HELI	66 1257	36816000
SKIN	WING	1075.04	2282.09	AIR	62 1111	36820000
SKIN-MILLED	WING-CENTER	3.39501	400	AIR	63 1198	36822000
SKIN-MILLED	WING-CENTER	2.99194	350	AIR	65 1198	36824000
SKIN-MILLED	WING-OUTER	1.23669	1400	AIR	65 1198	36824000
SKIN-MILLED	WING-OUTER	1.00801	900	AIR	63 1198	36824000
SKIN-MILLED	WING-CENTER	2.8243		AIR	63 1198	36824000
SKIN-MILLED	WING-OUTER	2.82664	700	AIR	65 1198	36824000
STARTING/FUEL-28VDC-115VAC		1.50891	900	AIR	65 1198	36824000
SURFACE-LOWER	WING-FLAP-SYSTEM	100	222.893	HELI	65 1198	36824000
SURFACE-LOWER	WING-FLAP-SYSTEM	1.1909	2.25990	AIR	65 1215	36834000
SURFACE-UPPER	WING-FLAP-SYSTEM	3.26272	5.5369	AIR	66 1250	36834000
SURFACE-UPPER	WING-FLAP-SYSTEM	24.37	9557	AIR	65 1227	36836000
SWITCH	WING-FLAP-SYSTEM	408614	1.56938	AIR	66 1227	36836000
SWITCH	ANTENNA-TRANSMITTER-ALT-48	192.847	4752	AIR	65 1227	36840000
SWITCH	INTERCON.AB/AIC-18A-C-233	5.15946	11.4819	AIR	63 1111	36840000
SWITCHING	FLIGHT-DIRECTION-SYSTEM-A/F-STANDARD	147.098	572.014	HELI	65 1198	36844000
T.P.-COMM-PANEL	F-111	398.404	19.7048	AIR	66 1257	36844000
TEMPERATURE-WIND-ICE		1009	1549.45	AIR	65 1198	36844000
TERMINAL	AUDIBLE-WARNING-SYSTEM	0	93.1472	AIR	62 2780	36852000
TERMINAL	AUDIBLE-WARNING-SYSTEM	0	93.1472	AIR	65 2330	36854000
TEST	LAUNCHING-CONTROL-EQUIPMENT	28.5300	55.5834	GRD	65 1227	36854000
TEST	ASYMMETRY-BRAKE-WING-FLAP-SYSTEM	0	52.9377	AIR	66 1250	36856000
TEST	ASYMMETRY-BRAKE-WING-FLAP-SYSTEM	0	52.9377	AIR	62 1141	36856000
TEST	NEG-TORQUE-CENT-REDUCTION-GEAR-SYS	0	55.9834	AIR	65 1227	36856000
TEST	AN/ARA-26	0	18.1435	AIR	66 1250	36856000
TEST	SYNCHROPHASER-ENGINE-INSTRUMENT	0	27.1597	AIR	33 1198	36856000
TEST	SYNCHROPHASER-ENGINE-INSTRUMENT	8.59328	33.4252	AIR	65 1198	36856000
TEST	SYNCHROPHASER-ENGINE-INSTRUMENT	11.7634	54.2011	AIR	65 1198	36856000
TEST	SYNCHROPHASER-ENGINE-INSTRUMENT	13.3333	91.8626	AIR	65 1114	36874000



ROME AIR DEVELOPMENT CENTER, GRIPPLISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

JANUARY 1968

HOMELECTRONIC PART FAILURE RATE DATA

PART CLASS	369 PEDALS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART PORT- LATION	PART HOURS	VR OF DATA RPT	CROSS INDEX
PART DESCRIPTION									
.00 N.O.C.									
BRAKE-LANDING-GEAR			AIR	0	0.70932	200	.33912	63	1198 3094-0000
RUDDER-TRIM-CONTROL			AIR	0	96.4041	62	.02387	63	1111 3099-0000
RUDDER-FLIGHT-CONTROL			AIR	0	13.9973	304	.1643	66	1250 3095-2000
BRAKE-LANDING-GEAR			AIR	0	4.33998	200	.50763	65	1198 3099-1500
BRAKE-LANDING-GEAR			AIR	0	4.94393	400	.40870	65	1198 3095-0000
RUDDER-FLIGHT-CONTROL			AIR	0	23.2049	152	.09000	65	1227 3095-0000
RUDDER-ASSEMBLY			AIR	1.96993	7.64247	200	.50763	65	1198 3094-0000
RUDDER-ASSEMBLY			AIR	2.14032	0.39632	400	.40548	65	1198 3094-2000
RUDDER-ASSEMBLY			AIR	2.9400	11.4699	200	.33912	63	1198 3094-0000
DIRECTIONAL-FLIGHT-CONTROL			MEL	100.335	157.902	400	.12	65	1215 3096-0000



JANUARY 1968

HOMELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS	STO PEDESTALS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPUL- LATION	PART HOURS	YE OF DATA RPT SINCE DEF NO	CROSS INDEX
PART DESCRIPTION									
.00 N.O.C.									
CENTER		CENTER-INSTRUCTOR-COMPARTMENT	AIR	13-9183	22-7289	597	.51789	67	1272
CENTER		CENTER-STUDENT-COMPARTMENT	AIR	19-4472	25-0916	597	.51789	67	1272
CENTER		INSTRUCTOR-COMPARTMENT	AIR	0	20-1505	473	.11427	65	1228
CENTER		STUDENT-COMPARTMENT	AIR	0	20-1505	473	.11427	65	1228
CONTROL		STUDENT-COMPARTMENT	AIR	22-8194	60-7152	406	.08786	64	1179
		PILOT-FLIGHT-DECK	AIR	0	55-9034	76	.04113	64	1250
		PILOT-FLIGHT-DECK	AIR	0	93-1472	40	.02472	65	1227



HOME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS	571 PINS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF RPT	CARBS DATA INDEX
PART DESCRIPTION									
.00 N.O.C.									
DRAG		LANDING-GEAR-MAIN	AIR	6.89251	11.5235	400	1.0153	65	1198 39044000
DRAG		LANDING-GEAR-MAIN	AIR	9.91301	16.6726	816	.706	63	1114 39080000
DRIVE			AIR	4.12144	5.78041		3.72	59	1070 39070000
FIRING		20MM-GUN	AIR	50R	77.03328	4	.2R	64	1134 39072000
GROOVED			LAB	.025				63	1126 39074000
GUIDE		RUDDER-SYSTEM	AIR	1.44822	3.2251	2368	2.0715	67	1272 39076000
GUIDE			LAB	1.63				63	1138 39078000
GUIDE		RUDDER-SYSTEM	AIR	2.1676	8.50986	1092	.45708	65	1226 39080000
HINGE		RUDDER-SYSTEM	AIR	11.4077	22.797	1624	.35064	64	1179 39082000
HINGE		ELEVATOR-ASSEMBLY	AIR		1.97848	1000	1.1637	65	1198 39084000
HINGE		IGNITION-TAKEOFF-ASSIST-SYSTEM	AIR		1.64883	1200	1.3965	65	1198 39086000
HINGE		DOOR-LANDING-GEAR-MAIN-INTERNAL	AIR		5.8217	768	.39552	65	1227 39088000
HINGE		LEADING-EDGE-WING-CENTER	AIR		2.47333	800	.93097	65	1198 39090000
HINGE		DOOR-HYDRAULIC-PRESSURE	AIR		18.6294	240	.1236	65	1277 39092000
HINGE		DOOR-HYDRAULIC-FORWARD-CARGO	AIR		58	200	.0397	65	1198 39094000
HINGE		DOOR-LANDING-GEAR-MAIN-INTERNAL	AIR		3.49886	1216	.6581	64	1258 39096000
HINGE		RUDDER-TRIM-TAB-ASSEMBLY	AIR		9.89344	200	.23274	65	1198 39098000
HINGE		RUDDER-ASSEMBLY	AIR		4.94472	600	.44548	65	1198 39100000
HINGE		DOOR-HYDRAULIC-PRESSURE	AIR		11.1939	300	.2057	66	1258 39102000
HINGE		LEADING-EDGE-WING-OUTER	AIR	1.26369	1.94693	6000	7.9123	65	1198 39104000
HINGE		LEADING-EDGE-WING-OUTER	AIR	1.90295	5.06403	4624	1.051	63	1114 39106000
HINGE		ELEVATOR-TRIM-TAB-ASSEMBLY	AIR	3.22244	7.17617	600	.93097	65	1198 39108000
HINGE		LEADING-EDGE-WING-OUTER	AIR	3.64372	5.75141	2856	2.47	63	1114 39110000
HINGE		ELEVATOR-TRIM-TAB-ASSEMBLY	AIR	3.93197	7.85761	600	1.0173	63	1198 39112000
HINGE		ELEVATOR-TRIM-TAB-ASSEMBLY	AIR	4.44938	8.8916	600	.899	63	1114 39114000
HINGE		FLAP-DOOR-LANDING-GEAR-MAIN	AIR	5.79318	10.169	1194	1.0357	67	1272 39116000
HINGE		LEADING-EDGE-WING-CENTER	AIR	5.8977	11.7058	400	.67823	63	1198 39118000
HINGE		LEADING-EDGE-WING-CENTER	AIR	6.67779	13.3448	400	.599	63	1114 39120000
HINGE		LEADING-EDGE-WING-CENTER	AIR	6.93842	9.38251	1700	2.8825	69	1114 39122000
HINGE		LEADING-EDGE-WING-OUTER	AIR	7.45975	10.1698	1700	2.547	63	1198 39124000
HINGE		LEADING-EDGE-WING-OUTER	AIR	10.1311	13.9334	700	1.7767	65	1198 39126000
HINGE		AILERON-ASSEMBLY-FLIGHT-CONTROL	AIR	13.1268	23.8821	1052	.95708	65	1228 39128000
HINGE		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	15.7591	31.4929	100	.25382	65	1198 39130000
HINGE		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	17.0454	37.959	204	.176	63	1114 39132000
HINGE		AILERON-ASSEMBLY-FLIGHT-CONTROL	AIR	17.1115	38.1063	812	.17532	64	1179 39134000
HINGE		FLAP-DOOR-LANDING-GEAR-MAIN	AIR	17.1895	34.3454	200	.23274	65	1198 39136000
HINGE		FLAP-DOOR-LANDING-GEAR-MAIN	AIR	17.5824	34.9765	946	.22834	65	1226 39138000
HINGE		AILERON-ASSEMBLY	AIR	20.2751	24.9839	2360	2.0715	67	1272 39140000
HINGE		RUDDER-TRIM-TAB-ASSEMBLY	AIR	23.5404	47.1428	108	.16956	63	1198 39142000
HINGE		RUDDER-TRIM-TAB-ASSEMBLY	AIR	26.8456	53.6479	100	.149	63	1114 39144000
HINGE		DOOR-MECHANICAL-CREW	AIR	29.468	54.6986	100	.16954	66	1295 39146000
HINGE		TOWING-PIN-TIE-IN-MILES	GRD	32.41498	96.24098	13	.04178	60	1295 39148000
HINGE		DOOR-MECHANICAL-CREW	AIR	33.597	62.2463	100	.149	63	1114 39150000
HINGE		ELEVATOR-TRIM-TAB-ASSEMBLY	AIR	36.7719	43.906	600	1.5229	65	1198 39152000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

PART CLASS	571 PINS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
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NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

VR OF DATA INDEX  
RPT SACE REF NO  
CROSS

## FUNCTIONAL APPLICATION

**REFUGEE**

**LAB**

4.04972 7.33932

**i. 4346**

63 3230 39272480

GAS-TURBINE-COMPR. AUX-POWER-PLANT  
GAS-TURBINE-COMPR. AUX-POWER-PLANT  
GAS-TURBINE-COMPR. AUX-POWER-PLANT  
GAS-TURBINE-COMPR. AUX-POWER-PLANT  
GAS-TURBINE-COMPR. AUX-POWER-PLANT

65	1190	392740000
65	1190	392760000
63	1114	392780000
63	1190	392800000
63	1114	392820000

**-20 EXHAUST**

TAIL-ASSEMBLY-BASIC-ENGINE  
TAIL-ASSEMBLY-BASIC-ENGINE  
ENGINE. (M=MILES)  
TAIL-ASSEMBLY-BASIC-ENGINE  
TAIL-ASSEMBLY-BASIC-ENGINE  
TAIL-ASSEMBLY-BASIC-ENGINE  
TAIL-ASSEMBLY-BASIC-ENGINE  
TAIL-ASSEMBLY-BASIC-ENGINE

10.7416	19.925	460	.46548
16.129	62.737	272	-.062
16.20744	63.04218	15	-.06174
31.1614	47.0202	408	353
37.4288	51.0264	200	-.30763
484.553	535.779	200	-.33912
311.705	568.964	200	-.299

65	1198	39284000
63	1114	39284000
64	1255	39288000
63	1114	39290000
65	1198	39292000
63	1198	39294000
63	1114	39296000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

JANUARY 1968

PART CLASS	573 PISTONS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER		PART LATION	PART HOURS	YR OF RPT	CROSS	
						90	CONF				DATA	INDEX
						LIMIT					SRCE	REF NO
-00 N.O.C.												
		LANDING-GEAR-MAIN		AIR	9	27.9917	152		.08226	66	1250	39298000
		LANDING-GEAR-NOSE		AIR	9	93.1472	48		.02472	65	1227	39300000
		LANDING-GEAR-NOSE		AIR	9	55.9834	76		.04113	66	1250	39302000
		BUFFER-LOADER-20MM-GUN		GRD	10R	26.6415R	14		.2R	64	1134	39304000
		RAM-LOADER-20MM-GUN		GRD	45R	71.03R	14		.2R	64	1134	39306000
		LANDING-GEAR-MAIN		AIR	80.9061	161.681	96		.04944	65	1227	39308000
		LANDING-GEAR-727		AIR	220P					66	2363	39310000

PUSHROD-NOSE-LANDING-GEAR-  
POSITION

-10 HYDRAULIC

LAB .2 63 1138 39312000

ROME AIR DEVELOPMENT CENTER, CRIPPS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

JANUARY 1958

PART CLASS 374 PLATES

PART DESCRIPTION

-00 N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART HOURS	YR OF DATA	CRBS INDEX
GUIDE-CHANNEL-CLEAR-VISION-WINDSHIELD	AIR	46.5736	95	38444	48	1227	39314000
WINDSHIELD	AIR	20.1905	473	11427	48	1228	39314000
NEGATOR-TORQUE-CENTRAL-REDUCTION-GEAR-SYSTEM	AIR	4.5358	200	50763	65	1198	39314000
STEERING-LANDING-GEAR-MAIN	AIR	48.2719	124	50775	63	1111	39320000
NEGATOR-TORQUE-CENTRAL-REDUCTION-GEAR-SYSTEM	AIR	5.73507	400	67823	63	1198	39327000
NEGATOR-TORQUE-CENTRAL-REDUCTION-GEAR	AIR	1.66944	400	599	63	1114	39324000
NOSE-BEARING-REDUCTION-GEAR	AIR	7.57325	528	51361	63	1201	39324000
WINDSHIELD-STUDENT-AIRFRAME	AIR	19.4348	597	51789	67	272	39328000
WINDSHIELD-STUDENT-AIRFRAME	AIR	53.2238	2	1A	64	1134	39330000
WINDSHIELD-STUDENT-AIRFRAME	AIR	60.7152	408	50766	64	1179	39333000
FUSELAGE-CENTER-SECTION	AIR	92.5072	473	11427	65	1228	39334000
FUSELAGE-CENTER-SECTION	AIR	105.803	408	50766	64	1179	39334000
BRACKS	AIR	71.4285	277.835	514	61	1082	39338000
FUSELAGE-CENTER-SECTION	AIR	198.883	597	51789	67	1272	39340000
STABILIZER-VERTICAL	AIR	1.03925	1800	2.0947	65	1198	39342000
FUSELAGE-AFT-ABOVE-WL 200	AIR	4.94572	100	46548	65	1198	39344000
FUSELAGE-AFT-ABOVE-WL 200	AIR	18.1435	50	12691	65	1198	39346000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	9.85344	200	23274	67	1198	39344000
FUSELAGE-CENTER-SECTION	AIR	4.53598	200	50763	65	1198	39350000
FUSELAGE-AFT-ABOVE-WL 200	AIR	3.62877	250	63434	65	1198	39351000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	6.59562	300	74911	65	1198	39354000
FUSELAGE-CENTER-SECTION	AIR	5.10528	300	76145	65	1198	39356000
FUSELAGE-CENTER-SECTION	AIR	5.5708	600	69823	65	1198	39358000
FUSELAGE-AFT-ABOVE-WL 200	AIR	2.35904	250	4235	63	1198	39360000
FUSELAGE-AFT-ABOVE-WL 200	AIR	2.66666	250	375	63	1114	39362000
FUSELAGE-CENTER-SECTION	AIR	2.96735	450	674	63	1114	39364000
STABILIZER-VERTICAL	AIR	3.33889	400	599	63	1114	39366000
STABILIZER-HORIZONTAL	AIR	3.40136	1020	882	63	1114	39368000
STABILIZER-VERTICAL	AIR	3.78071	612	529	63	1114	39370000
STABILIZER-HORIZONTAL	AIR	3.93985	500	12691	65	1198	39372000
STABILIZER-VERTICAL	AIR	8.77378	300	76145	65	1198	39374000
STABILIZER-HORIZONTAL	AIR	4.42327	400	67823	63	1198	39376000
STABILIZER-VERTICAL	AIR	4.52284	1900	2211	65	1198	39378000
FUSELAGE-CENTER-SECTION	AIR	5.24239	450	76301	63	1198	39380000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	5.68161	204	176	63	1114	39382000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	13.1407	200	50763	65	1198	39384000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	5.90981	100	25382	65	1198	39386000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	7.8796	408	333	63	1114	39388000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	18.9257	408	333	63	1114	39388000
STABILIZER-HORIZONTAL	AIR	11.7952	50	68478	63	1198	39390000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	19.1597	400	67823	63	1198	39392000
FUSELAGE-FORWARD-ABOVE-WL 200	AIR	13.3333	50	5075	63	1114	39394000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 574 PLATES

PART DESCRIPTION

-00 N.C.C.

YR OF DATA INDEX  
RPT SRCE REF HQ

UPPER 90 CSAP  
LIMIT

FAILURE RATE

ENVIRONMENT

FUNCTIONAL APPLICATION

STABILIZER-HORIZONTAL  
FUSELAGE-CENTER-ABOVE-WL200  
FUSELAGE-FORWARD-ABOVE-WL200  
FUSELAGE-FORWARD-ABOVE-WL200  
FUSELAGE-CENTER-ABOVE-WL200  
FUSELAGE-AFT-BELOW-WL200  
FUSELAGE-AFT-BELOW-WL200  
BRAKES  
FUEL-SYSTEM  
FUEL-SYSTEM  
FUEL-SYSTEM  
ANTENNA-MAIN-HF-COMMUNICATION-SYSTEM  
STRAIGHT-LINE-IND-FLY-TRACER-NAV  
ANTENNA-MAIN-HF-COMMUNICATION-SYSTEM  
ANTENNA-MAIN-HF-COMMUNICATION-SYSTEM  
DOOR-HYD-AFT-CARGO  
DOOR-HYD-AFT-CARGO  
DOOR-HYD-AFT-CARGO  
DOOR-MLG-INBOARD  
DOOR-MAIN-LANDING-GEAR-EMBARD  
DOOR-MECHANICAL-PERSONNEL-CARGO-COMP  
DOOR-MECHANICAL-PERSONNEL  
CARGO-COMPARTMENT  
TAIL-BOOM-W/HARDWARE  
CHANNEL-CLEAR-VISION-WINDSHIELD  
PURGE-SYSTEM-FUEL  
BRAKES  
PROPELLOR-ASSEMBLY  
CANOPY-JETTISON-STUDENT  
CANOPY-JETTISON-INSTRUCTOR  
CANOPY-JETTISON-STUDENT  
DOOR-MAIN-LANDING-GEAR-OUTBOARD  
DOOR-MAIN-LANDING-GEAR-OUTBOARD  
LATCH-DOOR-HYDRAULIC-FWD-CARGO  
DOOR-MAIN-LANDING-GEAR-OUTBOARD  
DOOR-MAIN-LANDING-GEAR-OUTBOARD  
MAIN-ROTOR  
MAIN-ROTOR  
SMASH-W/SUPPORT-HARDWARE  
SMASH-W/SUPPORT-HARDWARE  
SMASH-W/SUPPORT-HARDWARE

ACCESS	13.3555	21.6939	400	AIR	63	1114	39346000
ACCESS	13.4228	35.7201	100	AIR	63	1114	39398000
ACCESS	14.764	27.3493	200	AIR	63	1198	39400000
ACCESS	16.7224	31.019	200	AIR	63	1114	39402000
ACCESS	17.6928	35.4008	100	AIR	63	1198	39404000
ACCESS	70.7714	124.228	50	AIR	63	1198	39406000
ACCESS	1.147	140.428	50	AIR	63	1114	39408000
ADAPTER	1.147	7.5735	528	AIR	65	1201	39410000
BRAKES	1.147	32.8942	640	AIR	61	1080	39412000A
FUEL-SYSTEM	1.147	4.5358	200	AIR	65	1198	39414000
FUEL-SYSTEM	1.147	4.94672	400	AIR	65	1198	39416000
FUEL-SYSTEM	1.147	3.39501	400	AIR	65	1198	39418000
ANTENNA-MAIN-HF-COMMUNICATION-SYSTEM	1.147	9.6934	200	AIR	65	1198	39420000
STRAIGHT-LINE-IND-FLY-TRACER-NAV	1.147	220.344	50	AIR	65	1198	39422000
ANTENNA-MAIN-HF-COMMUNICATION-SYSTEM	1.147	9.0717	100	AIR	65	1198	39424000
ANTENNA-MAIN-HF-COMMUNICATION-SYSTEM	1.147	13.5798	100	AIR	65	1198	39426000
DOOR-HYD-AFT-CARGO	1.147	30.6492	50	AIR	65	1198	39428000
DOOR-HYD-AFT-CARGO	1.147	44.2011	102	AIR	65	1198	39430000
DOOR-HYD-AFT-CARGO	1.147	45.8795	50	AIR	63	1114	39432000
DOOR-HYD-AFT-CARGO	1.147	51.6626	50	AIR	63	1114	39434000
DOOR-MLG-INBOARD	1.147	15.5245	288	AIR	65	1221	39436000
DOOR-MAIN-LANDING-GEAR-EMBARD	1.147	9.32982	456	AIR	66	1250	39438000
DOOR-MECHANICAL-PERSONNEL-CARGO-COMP	1.147	23.2888	192	AIR	65	1227	39440000
DOOR-MECHANICAL-PERSONNEL	1.147	13.9975	304	AIR	66	1250	39442000
CARGO-COMPARTMENT	1.147	13.9975	304	AIR	66	1250	39444000
TAIL-BOOM-W/HARDWARE	1.147	21.9657	280	MELT	66	1257	39446000
CHANNEL-CLEAR-VISION-WINDSHIELD	1.147	1466.62	152	AIR	63	1123	39448000
PURGE-SYSTEM-FUEL	1.147	27.9917	152	AIR	66	1250	39450000A
BRAKES	1.147	6.78942	200	AIR	63	1198	39452000
PROPELLOR-ASSEMBLY	1.147	37.8942	640	AIR	61	1080	39454000
CANOPY-JETTISON-STUDENT	1.147	50.7134	400	AIR	65	1198	39456000
CANOPY-JETTISON-INSTRUCTOR	1.147	20.1505	473	AIR	65	1228	39458000
CANOPY-JETTISON-STUDENT	1.147	20.1505	473	AIR	65	1228	39460000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	7.51066	597	AIR	67	1272	39462000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	7.51066	597	AIR	67	1272	39464000
LATCH-DOOR-HYDRAULIC-FWD-CARGO	1.147	15.3246	100	AIR	67	1272	39466000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	22.1005	207	AIR	65	1198	39468000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	49.9886	400	AIR	63	1114	39470000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	62.737	272	AIR	63	1114	39472000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	212.785	100	AIR	63	1198	39474000
DOOR-MAIN-LANDING-GEAR-OUTBOARD	1.147	219.538	100	AIR	63	1114	39476000
MAIN-ROTOR	1.147	732.02	40	MELT	66	1257	39478000
MAIN-ROTOR	1.147	394.632	20	MELT	66	1257	39480000
SMASH-W/SUPPORT-HARDWARE	1.147	1548.83	20	MELT	66	1257	39482000
SMASH-W/SUPPORT-HARDWARE	1.147	1477.46	20	MELT	66	1257	39484000
SMASH-W/SUPPORT-HARDWARE	1.147	4259.25	20	MELT	66	1257	39486000

HOMELECTRONIC PART FAILURE RATE DATA

[illegible]

# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PUMP LAYON HOURS	PART	YR	CROSS OF DATA INDEX
PART DESCRIPTION									
DRIVE	WING-FLAP-ASSEMBLY		AIR	283.578	357.944	100	-11627	65	1198 39544000
DRIVE	WING-FLAP-ASSEMBLY		AIR	466.866	784.726	65	.015	63	1114 39544000
EMERGENCY-FIREWALL-SHUTOFF	HYDRAULIC-POWER.800		AIR	40P				66	2365 39568000
FUEL-BOOST	FUEL-707-131B		AIR	20P				66	2364 39570000
FUEL-BOOST	FUEL-707-331B		AIR	20P				66	2364 39572000
FUEL-BOOST	FUEL-707-131B		AIR	20P				65	2364 39574000
FUEL-BOOST	FUEL-707-131		AIR	30P				66	2364 39576000
FUEL-BOOST	FUEL-707-131		AIR	30P				65	2364 39578000
FUEL-BOOST	FUEL-707-121		AIR	30P				66	2364 39580000
FUEL-BOOST	FUEL-707-131B		AIR	70P				66	2364 39582000
FUEL-BOOST	FUEL-707-331B		AIR	70P				66	2364 39584000
FUEL-BOOST	FUEL-707-331		AIR	80P				66	2364 39586000
MOTOR-FLAP-DRIVE	FLIGHT-CONTROLS.707-331		AIR	150P				65	2364 39588000
MOTOR-FLAP-DRIVE	FLIGHT-CONTROLS.707-331		AIR	170P				66	2364 39590000
MOTOR-HYDRAULIC-BOOST-PUMP	FLIGHT-CONTROLS.707-131		AIR	270P				65	2364 39592000
MOTOR-HYDRAULIC-BOOST-PUMP	HYDRAULIC-POWER.800		AIR	80P				66	2365 39594000
MOTORS-HYDRAULIC	HYDRAULIC-POWER.800		AIR	150P				64	2365 39596000
PISTON-FIXED-ANGLE	(STORAGE)		GRD	144.7				57	211 39598000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	2	15.4619	1	.14892	64	1191 39600000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	1.235				65	2596 39602000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	1.46P				65	2590 39604000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	1.68P				65	2590 39606000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	1.87P				65	2590 39608000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	2.27P				65	2590 39610000
PISTON-TYPE	FLAP-DRIVER-ASSEMBLY		AIR	2.67P				65	2590 39612000
PUMP	FLAP-DRIVER-ASSEMBLY		AIR	1751.48	1851.95		.216	63	2107 39614000
ENGINE-DRIVEN-HYDRAULIC	WATER/WASTE.727		AIR	200P				66	2365 39616000
PUMP-AIR-COMP-PSGR-WATER	WATER/WASTE.727		AIR	210P				66	2365 39618000
PUMP-AIR-COMP-PSGR-WATER	WATER/WASTE.727		AIR	300P				65	2365 39620000
PUMP-AIR-COMP-PSGR-WATER	WATER/WASTE.338C/373C		AIR	1000P				66	2365 39622000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131B		AIR	70P				66	2364 39624000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-331B		AIR	100P				66	2364 39626000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-331		AIR	170P				66	2364 39628000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131B		AIR	270P				66	2364 39630000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-331		AIR	310P				65	2364 39632000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-331B		AIR	310P				66	2364 39634000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131B		AIR	420P				65	2364 39636000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131		AIR	570P				66	2364 39638000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131		AIR	680P				65	2364 39640000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131		AIR	780P				66	2364 39642000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-331B		AIR	100P				66	2364 39644000
MOTOR-ONLY	HYDRAULIC-POWER.707-131		AIR	110P				66	2364 39646000
PUMP-AUXILIARY-HYDRAULIC	HYDRAULIC-POWER.707-131		AIR	110P				66	2364 39648000

# ROME AIR DEVELOPMENT CENTER, GRIPPISS AFB, N.Y. SECTION I FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

REVISION 7 1960

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	YR OF DATA IMPR	CROSS REF NO
PART DESCRIPTION								
.00 N.O.C.								
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-331	AIR	170P				66 2364	39430000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-1318	AIR	200P				66 2364	39452000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-1318	AIR	200P				66 2364	39454000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-3318	AIR	200P				66 2364	39456000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.331C/373C	AIR	200P				65 2363	39458000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-331	AIR	310P				66 2364	39460000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-131	AIR	410P				65 2364	39462000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.707-1318	AIR	420P				65 2364	39464000
PUMP-AUXILIARY-HYDRAULIC-MOTOR-ONLY	HYDRAULIC-POWER.331C/373C	AIR	1080P				66 2363	39466000
PUMP-BOOSTER-OVERRIDE	FUEL.707-1318	AIR	70P				65 2364	39468000
PUMP-ENGINE-DRIVEN	DC8/B-720/727	AIR	391.088P	464.963P	.14310P		66 2400	39470000
PUMP-ENGINE-DRIVEN	ENGINE-FUEL-AND-CONTROL.707-331	AIR	80P				66 2362	39472000
PUMP-ENGINE-FUEL	ENGINE-FUEL-AND-CONTROL.800	AIR	40P				65 2363	39474000
PUMP-ENGINE-FUEL	ENGINE-FUEL-AND-CONTROL.800	AIR	40P				66 2362	39476000
PUMP-ENGINE-FUEL	ENGINE.707-131	AIR	80P				65 2362	39478000
PUMP-FUEL-BOOST	ENGINE-FUEL-AND-CONTROL.707-1318	AIR	200P				65 2360	39480000
PUMP-FUEL-ENGINE-BOOST	HYDRAULICS	MSL	20000	77794	35	.000005	66 2362	39482000
PUMP-HYDRAULIC-BOOSTER	HYDRAULICS	MSL	16466.6	64826.3	24	.06806	61 2600	39484000
PUMP-HYDRAULIC-SUSTAINER	HYDRAULIC-POWER.707-1318	AIR	200P				66 2364	39486000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-3318	AIR	210P				65 2364	39488000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-1318	AIR	210P				65 2364	39490000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-131	AIR	230P				66 2364	39492000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-331	AIR	310P				65 2364	39494000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-3318	AIR	420P				65 2364	39496000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-1318	AIR	470P				65 2364	39498000
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.707-331	AIR	500P				66 2364	39500000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION	YE OF DATA	CROSS INDEX RMT SRC	REF NO
PART DESCRIPTION										
.00 N.O.C.										
PUMP, HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER, 707-331B	AIR	510P	64	2364	39704000				
PUMP, HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER, 707-131	AIR	670P	66	2364	39704000				
PUMP, HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER, 707-331B	AIR	680P	66	2364	39704000				
PUMP, HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER, 707-331	AIR	1240P	66	2364	39710000				
PUMP, THRUST-REV	EXHAUST, 880	AIR	80P	64	2363	39712000				
PUMP, THRUST-REV	EXHAUST, 880	AIR	90P	65	2363	39714000				
PUMP, THRUST-REV	EXHAUST, 880	AIR	150P	66	2363	39716000				
PUMP, THRUST-REVERSER	EXHAUST, 880	AIR	80P	66	2363	39718000				
PUMP, THRUST-REVERSER	EXHAUST, 880	AIR	120P	65	2363	39720000				
PUMP, THRUST-REVERSER	EXHAUST, 880	AIR	280P	66	2363	39722000				
PUMP, TOILET-FLUSH	WATER/WASTE, 707-131B	AIR	30P	66	2362	39724000				
PUMP, TOILET-FLUSH	WATER/WASTE, 707-131B	AIR	30P	66	2362	39726000				
PUMP, TOILET-FLUSH	WATER/WASTE, 707-331B	AIR	30P	66	2362	39728000				
PUMP, TOILET-FLUSH	WATER/WASTE, 707-131B	AIR	160P	65	2362	39730000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-331B	AIR	60P	66	2362	39732000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-131B	AIR	70P	66	2362	39734000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-331B	AIR	130P	65	2362	39736000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-331	AIR	170P	66	2362	39738000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-131	AIR	250P	66	2362	39740000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-131B	AIR	290P	66	2362	39742000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-131	AIR	290P	66	2362	39744000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-131B	AIR	320P	65	2362	39746000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-131	AIR	380P	65	2362	39748000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-331B	AIR	500P	66	2362	39750000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-331	AIR	510P	65	2362	39752000				
PUMP, WATER-GALLEY-373C	WATER/WASTE, 707-331	AIR	620P	66	2362	39754000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-131	AIR	80P	65	2362	39756000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-331B	AIR	140P	66	2362	39758000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-131	AIR	300P	65	2362	39760000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-131	AIR	460P	66	2362	39762000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-131	AIR	490P	66	2362	39764000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-131	AIR	490P	66	2362	39766000				
PUMP, WATER-INJECTION	WATER-INJECTION, 707-131	AIR	570P	66	2362	39768000				
PUMP, AIR-COMP-PSGR-WAT	WATER-WASTE, 727	AIR	240P	66	2363	39770000				
PUMP, AIR-COMP-PSGR-WAT	WATER-WASTE, 727	AIR	680P	65	2363	39772000				
PUMP, AND-MOTOR-TOLJET-FLUSH	WATER-WASTE, 727	AIR	110P	65	2363	39774000				
PUMP, AND-MOTOR-TOLJET-FLUSH	WATER-WASTE, 727	AIR	160P	66	2363	39776000				
PUMP, AND-MOTOR-TOLJET-FLUSH	WATER-WASTE, 727	AIR	220P	66	2363	39778000				
PUMP, AUXILIARY-TORAHIC	HYDRAULIC-POWER, 231C/232C	AIR	1080P	66	2363	39780000				
PUMP, AUXILIARY-TORAHIC	HYDRAULIC-POWER, 880	AIR	150P	66	2363	39782000				
PUMP, AUXILIARY-TORAHIC	HYDRAULIC-POWER, 880	AIR	160P	66	2363	39784000				



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	FR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
-00 N.O.C.									
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.727	AIR	320P	69	2345	39820000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.727	AIR	330P	66	2363	39852000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.727	AIR	400P	64	2345	39854000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.880	AIR	410P	65	2343	39854000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.980	AIR	430P	64	2345	39858000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.331C/373C	AIR	540P	64	2363	39860000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.727	AIR	680P	65	2363	39862000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.331C/373C	AIR	760P	66	2345	39864000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.880	AIR	760P	66	2345	39864000			
PUMP-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER.880	AIR	760P	66	2343	39868000			
PUMP-HYDRAULIC-PR-FILL	HYDRAULIC-POWER.727	AIR	340P	65	2363	39870000			
PUMP-WATER-INJECTION	WATER-INJECTION-707-131	AIR	110P	64	2344	39870000			
PUMP-WATER-INJECTION	WATER-INJECTION-707-131	AIR	270P	65	2364	39874000			
PUMP-WATER-INJECTION	WATER-INJECTION-707-131	AIR	450P	66	2364	39876000			
PUMP-WATER-INJECTION	WATER-INJECTION-707-131	AIR	450P	64	2364	39878000			
PUMP-WATER-INJECTION	WATER-INJECTION-707-131	AIR	480P	65	2364	39880000			
PUMP-WATER-INJECTION	WATER-INJECTION-707-131	AIR	100P	65	2350	39882000			
PUMPS	MANIFOLD-SINGLE-POINT-REFUELING-SYS	AIR	93.1472	45	-02472				
PUMPS	OIL-SYSTEM-ENGINE	AIR	24.1109	248	-0935				
PUMPS	UTILITY-SYSTEM-HYDRAULIC-POWER-SUPPLY	AIR	20.1505	473	.11427				
PUMPS	UTILITY-SYSTEM-HYDRAULIC-POWER-SUPPLY	AIR	26.2673	466	-09764				
PUMPS	FUEL-SYSTEM	MSL	2302.6		.001				
PUMPS	FUEL-SYSTEM-TURBOPROP-PWR-PLT	AIR	4.00779	1716	1.9945				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	8.35632	400	.44548				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	11.0189	408	.33				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	4.29664	400	.46348				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	4.5335	12.0643	.44116				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	6.70803	17.051	.29815				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	9.84969	18.2705	.50763				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	10.4951	15.8364	1.0481				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	11.082	20.599	.21361				
PUMPS	JETTISON-FUEL-SYSTEM	AIR	13.5						
PUMPS	JETTISON-FUEL-SYSTEM	AIR	13.7895	23.1879	.50763				

# ROME AIR DEVELOPMENT CENTER, ORIGINALLY AEC, M.Y. SECTION 1 - FAILURE RATE DATA

## HYDRAULIC PART FAILURE RATE DATA

JANUARY 1965

PART CLASS	SYSTEMS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT DATA	UPPER LIMIT	PART POSITION	DATA INDEX	CARDS
PART DESCRIPTION							
-.00 N.O.C.							
PUMPS	FUEL-SYSTEM-TURBOPUMP-PLY	AIR	16.4971	24.8334	400	.333	63 1114 39916000
PUMPS	RESERVOIR-PROPELLER	AIR	96.7334	280.194	64	.01742	65 1201 39916000
PUMPS		GRD	58.8333	228.463	6	.017	65 1193 39920000
PUMPS	FUEL-SYSTEM-TURBOPUMP-PLY	AIR	172.054	144.727	200	.299	63 1114 39922000
PUMP	FUEL-SYSTEM-TURBOPUMP-PLY	AIR	117.952	143.442	200	.39912	63 1198 39924000
PUMP	FEATHERING-PROPELLER-POWER-PLANT	AIR	163.092	202.127	126	.21597	65 1123 39926000
PUMPS	MANIFOLD	AIR	196.142	284.187	74	.04113	66 1250 39928000
PUMPS	SINGLE-POINT-REFUELING-SYSTEM						
PUMPS		MSL	200				58 212 39930000
PUMPS		MELT	214.203	300.194	150	.03247	63 1114 39932000
PUMPS	RADAR-PRESSURIZATION.AN/ASQ-70	AIR	216.818	345.192	76	.04113	66 1250 39934000
PUMPS		AIR GRD	250				61 212 39936000
PUMPS	MAIN-CAMERA-VACUUM-SYSTEM	AIR	281.172	493.206	130	.03134	63 1198 39938000
PUMPS	RADAR-PRESSURIZATION.AN/ASQ-70	AIR	444.983	671.444	48	.02472	65 1227 39940000
PUMPS	COMPRESSOR	AIR	447.348	530.83		.114	61 1084 39942000
PUMPS		AIR SHP GRD	940.345	991.928		.037	57 212 39944000
PUMPS	FLIGHT-SYSTEM-HYDRAULIC-POWER-SUPPLY	AIR	1005.67	1155.41	496	.08744	64 1174 39946000
PUMPS	FLIGHT-SYSTEM-HYDRAULIC-POWER-SUPPLY	AIR	1005.14	122.01	473	.11427	62 1228 39948000
PUMPS	COMPRESSOR	MELT	1442.53	197.84	150	.00134	63 1118 39950000
PUMPS		AIR	2142.85	504.77		.007	61 1202 39952000
PUMPS	FLIGHT-SYSTEM-HYDRAULIC-POWER-SUPPLY	AIR	2631.83	2721.18	597	.51789	67 1272 39954000
PUMPS		AIR	4473.68	4670.89		.190	63 2121 39956000
PUMPS	ENGINE-DRIVEN-HYDRAULIC						
PUMPS		AIR	2493.53	2547.18		.538	63 2113 39958000
PUMPS	HYDRAULIC-POWER-SUPPLY	AIR	813.333	963.746	50	.075	63 1114 39960000
PUMPS	HYDRAULIC-POWER-SUPPLY	AIR	825.444	967.891	50	.60478	63 1198 39962000
PUMPS	HYDRAULIC-POWER-707-1318	AIR	2909				64 2302 39964000
PUMPS	HYDRAULIC-POWER-707-1318	AIR	1209				66 2362 39966000
PUMPS	HYDRAULIC-POWER-707-1318	AIR	1409				65 2342 39968000
PUMPS	HYDRAULIC-POWER-707-3316	AIR	2809				64 2362 39970000
PUMPS	HYDRAULIC-POWER-707-1318	AIR	2909				65 2352 39972000
PUMPS	HYDRAULIC-POWER-707-3316	AIR	5109				66 2362 39974000
PUMPS	HYDRAULIC-POWER-707-1318	AIR	709				64 2362 39976000
PUMPS	HYDRAULIC-POWER-707-3318	AIR	1409				64 2342 39978000
PUMPS	HYDRAULIC-POWER-707-3318	AIR	2609				65 2342 39980000
PUMPS	HYDRAULIC-POWER-707-1318	AIR	3209				65 2342 39982000
PUMPS	HYDRAULIC-POWER-707-3318	AIR	6809				66 2362 39984000



PART CLASS	STS PUMPS AND HYDRAULIC MOTORS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER TO COMP LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SACE	CROSS INDEX REF NO
.00	N.B.C.									
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131B		AIR	70P					65	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-331B		AIR	70P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-331		AIR	130P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-331		AIR	140P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 880		AIR	140P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-331B		AIR	210P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131		AIR	220P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131B		AIR	230P					66	2361 39980000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 331C/373C		AIR	230P					65	2366 40004000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 331C/373C		AIR	250P					66	2360 40006000
PUMPS, AUXILIARY-HYDRAULIC			AIR	289.962	-538	322.038			63	2113 40010000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131B		AIR	400P					66	2361 40010000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131		AIR	600P					65	2362 42012000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-331		AIR	640P					65	2361 40014000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131B		AIR	220P					66	2362 42016000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131B		AIR	230P					66	2362 40018000
PUMPS, AUXILIARY-HYDRAULIC	HYDRAULIC-POWER, 707-131B		AIR	600P					65	2362 40020000
PUMPS, BOOSTER	1H2GR-TRAIN/H2O2-DRIVEN-TURBINE		GRD			115130			64	1171 40027000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		29.488	45.4312	200		63	1198 40024000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		33.4448	51.5272	200		63	1114 40026000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		48.387	107.754	272		63	1114 40028000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		51.5596	67.8315	400		65	1198 40030000
PUMPS, BOOSTER	EXTERNAL-DISTRIBUTION, FUEL-SYSTEM		AIR		64.5161	171.687	136		63	1114 40032000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		72.3803	85.3895	1194		67	1272 40034000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		74.3852	103.29	946		65	1228 40036000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		82.1529	105.378	408		63	1114 40038000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		91.2616	126.06	812		64	1179 40040000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		96.7741	215.509	136		63	1114 40042000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		98.3227	130.846	200		65	1198 40044000
PUMPS, BOOSTER	AUXILIARY, FUEL-SYSTEM		AIR		116.226	138.125	200		65	1198 40046000
PUMPS, BOOSTER	EXTERNAL-DISTRIBUTION, FUEL-SYSTEM		AIR		161.073	211.97	120		63	1114 40048000
PUMPS, BOOSTER	FUEL-SYSTEM		AIR		176.928	225.967	100		63	1198 40050000
PUMPS, BOOSTER	PYLON-TANK, FUEL-SYSTEM		GRD		235.904	319.003	50		63	1198 40052000
PUMPS, BOOSTER	GTC-AUX-POWER-PLANT		AIR		240.611	287.292	200		65	1198 40054000
PUMPS, BOOSTER	AUXILIARY, FUEL-SYSTEM		AIR		253.333	345.367	50		63	1114 40056000
PUMPS, BOOSTER	GTC-AUX-POWER-PLANT		AIR		258.601	311.806	284		63	1114 40058000
PUMPS, BOOSTER	AUXILIARY, FUEL-SYSTEM		AIR		338.822	390.619	100		65	1198 40060000
PUMPS, BOOSTER	AUXILIARY, FUEL-SYSTEM		AIR			230.26	50		61	1080 40062000A
PUMPS, BOOSTER	TANK-EMERGENCY		AIR		13.5135	90.0936	1280		61	1080 40064000A
PUMPS, BOOSTER	TURBO-ENGINE		AIR		17.6429	27.1818	500		66	1277 40066000
PUMPS, BOOSTER	FUEL		AIR		19.4239	21.8043			65	1198 40068000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOURS	VR	CROSS OF DATA INDEX
PART DESCRIPTION									RPT SAGE REF NO
-00 M.O.C.									
PUMPS-BOOSTER-FUEL	POWER-PLANT		AIR	100-103	136-552	346	-18969	64	1144 40070000
PUMPS-BOOSTER-FUEL	ENGINE		AIR	532-401	601-93	126	-21597	65	1155 40072000
PUMPS-BOOSTER-FUEL			AIR	621-621	823-062	128	-037	59	1110 40074000
PUMPS-BOOSTER-FUEL	ENGINE		AIR	1915-78	2110-91		-095	63	2120 40076000
PUMPS-BOOSTER-FUEL			HELI	173-41	304-395	40	-0346	64	1257 40078000
AJA-DRIVE									
PUMPS-BOOSTER-FUEL	ENGINE		HELI	394-632	732-02	40	-01267	56	1257 40080000
AIR-DRIVE									
PUMPS-BOOSTER-FUEL-ELECTRIC	ENGINE		HELI	73-5294	204-007	40	-0136	64	1257 40082000
PUMPS-BOOSTER-FUEL-ELECTRIC	ENGINE		HELI	115-473	230-76	40	-03464	64	1257 40084000
PUMPS-BOOSTER-FUEL-ELECTRIC	ENGINE		HELI	236-779	527-292	40	-01267	64	1257 40086000
PUMPS-BOOSTER-FUEL-ELECTRIC	ENGINE		HELI	552-993	970-7	40	-01089	64	1257 40088000
PUMPS-BOOSTER-FUEL-MIL-P	ENGINE		HELI	166-666	309-154	126	-03	65	1215 40090000
5238A-28VDC-600-PPH/7PSTG									
PUMPS-BOOSTER-FUEL-MOTOR-DRIVE	ENGINE		AIR	127-583	151-397		-47028	64	1241 40092000
PUMPS-BOOSTER-OIL									
PUMPS-BOOSTER-OIL	ENGINE		HELI	28-9017	112-419	40	-0346	64	1257 40094000
PUMPS-BOOSTER-OIL	ENGINE		HELI	185-185	720-314	20	-0054	64	1257 40096000
PUMPS-BOOSTER-OVERRIDE	FUEL-707-331B		AIR	TOP				53	2361 40098000
PUMPS-BOOSTER-OVERRIDE	FUEL-707-131		AIR	130P				65	2361 40100000
PUMPS-BOOSTER-SUCTION	ELECT-MO-1-HYDRAULIC-SYSTEM		AIR	72-9394	162-431	76	-04113	64	1250 40102000A
PUMPS-BOOSTER-SUCTION	MO-2-HYDRAULIC-SYSTEM		AIR	121-565	225-497	76	-04113	64	1250 40104000A
PUMPS-BOOSTER-SUCTION	MO-2-HYD-SYSTEM		AIR	242-716	426-055	48	-02472	65	1227 40106000
PUMPS-BOOSTER-SUCTION-ELECT	MO-1-HYD-SYSTEM		GRD	9	93-1472	48	-02472	65	1227 40108000
PUMPS-BOOSTER-OVERRIDE	FUEL-707-331B		AIR	280P				64	2362 40110000
PUMPS-BOOSTER/TRANSFER	ENGINE-FUEL-SYSTEM		AIR	320	519-788	96	-025	64	1225 40112000
PUMPS-BRINE			AIR	2-464				62	2232 40114000
PUMPS-BRINE			AIR	2-58317	4-79164		1-9354	64	2232 40116000
PUMPS-BRINE-HERMETIC				2-70407	4-9232		2-9585	62	2232 40118000
PUMPS-CHARGE-SCAVENGE			AIR	0	65-7882	320	-035	61	1080 40120000A
CONSTANT-SPEED-DRIVE									
PUMPS-COOLING	TRANSMITTER-ALT-68		AIR	11-9674	31-8471	434	-14712	63	1111 40122000
PUMPS-COOLING-CONSTANT-SPEED-DRIVE			AIR	0	65-7885	320	-035	61	1080 40124000A
PUMPS-DC-CLOSE-COUPLED									
PUMPS-DESSICATOR	FIRE-CONTROL-SYSTEM		AIR	3-37259	3-77112		40-918	63	2232 40126000
PUMPS-DISCHARGE-PRESSURE-GUAGE				167-504	443-723	31	-01194	63	1111 40128000
				0	2-0314		1-1335	64	2228 40130000
PUMPS-DUAL-ELEMENT									
PUMPS-DUAL-ELEMENT	FUEL-SYSTEM		AIR	12-158	32-3944	904	-1645	64	1250 40132000
PUMPS-ELECTRIC-MOTOR	FUEL-SYSTEM		AIR	40-453	80-8409	192	-09880	65	1227 40134000
PUMPS-ELECTRIC-MOTOR	HYDRAULIC-POWER-DCB-1/51		AIR	150				66	2360 40136000
PUMPS-ELECTRIC-MOTOR	HYDRAULIC-POWER-1-188		AIR	490				64	2360 40138000
PUMPS-ELECTRIC-MOTOR	HYDRAULIC-POWER-8-720		AIR	860				66	2360 40140000
PUMPS-ELECTRIC-MOTOR	HYDRAULIC-POWER-8727		AIR	1500				64	2360 40142000
PUMPS-ELECTRIC-DRIVEN			AIR	13.5				63	1136 40144000

# HOME AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D. SECTION 1 FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	5% PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SACE	REF NO
CO N.O.C.									
PUMPS-ELECTRIC-DRIVEN			AIR	140.944	281.661	50	-02838	64	1144 40166000A
PUMPS-ELECTRIC-DRIVEN			LAB	230.041	272.383		-26517	65	1168 40168000
PUMPS-ELECTRIC-DRIVEN			AIR	522.732	640.481	152	-08226	66	1250 40150000
PUMPS-ELECTRIC-DRIVEN			AIR	607.329	779.026	124	-04775	63	1111 40157000
PUMPS-ELECTRIC-DRIVEN			AIR	161.812	323.363	48	-02472	65	1227 40154000
STANDBY-HYDRAULIC-PRESS									
PUMPS-ELECTRIC-DRIVEN			AIR	13.5				63	1138 40156000
SUCTION-HOIST									
PUMPS-ELECTRIC-DRIVEN			AIR	291.757	432.325	76	-04113	66	1250 40158000A
SUCTION-HOIST									
PUMPS-ELECTRIC-DRIVEN			AIR	230.041	272.583		-26517	66	1241 40160000
TRANSFER									
PUMPS-ELECTRIC-DRIVEN			AIR	647.249	820.045	96	-04944	65	1227 40162000
TRANSFER									
PUMPS-ELECTRIC-DRIVEN			AIR	622.488	722.208	50	-12691	65	1198 40164000
PUMPS-ELECTRIC-DRIVEN			AIR	643.181	821.375	102	-058	63	1114 40166000
PUMPS-ELECTRIC-DRIVEN			AIR	831.566	952.835	109	-11637	65	1114 40168000
PUMPS-ELECTRIC-DRIVEN			AIR	1133.33	1573.74	68	-015	67	1114 40170000
PUMPS-ENGINE-DRIVEN			AIR	190				66	2380 40172000
PUMPS-ENGINE-DRIVEN			AIR	270				66	2380 40174000
PUMPS-ENGINE-DRIVEN			AIR	250				66	2380 40176000
PUMPS-ENGINE-DRIVEN			AIR	440				65	2380 40178000
PUMPS-ENGINE-DRIVEN			AIR	813.37	849.726		1.077	63	2111 40180000
PUMPS-ENGINE-DRIVEN			AIR	3452.63	3709.98		-095	63	2120 40182000
PUMPS-ENGINE-DRIVEN			AIR	100				61	212 40184000
PUMPS-ENGINE-DRIVEN			AIR	48.6263	97.1742	132	-08226	66	1450 40186000
PUMPS-ENGINE-DRIVEN			LAB	53.5714	115.3		-056	61	1082 40188000
PUMPS-ENGINE-DRIVEN			AIR	60.6796	135.129	96	-04944	65	1227 40190000
PUMPS-ENGINE-DRIVEN			AIR	12.4637	111.642		-138	59	212 40192000
PUMPS-ENGINE-DRIVEN			AIR	71.2984	122.265	248	-0955	63	1111 40194000
PUMPS-ENGINE-DRIVEN			AIR	85.096	143.093	152	-08226	66	1250 40196000A
PUMPS-ENGINE-DRIVEN			AIR	100				61	212 40198000
PUMPS-ENGINE-DRIVEN			AIR	100				58	212 40200000
PUMPS-ENGINE-DRIVEN			AIR	141.585	238.084	96	-04944	65	1227 40202000
PUMPS-ENGINE-DRIVEN			AIR	200				61	212 40204000
PUMPS-ENGINE-DRIVEN			AIR	312				61	212 40206000
PUMPS-ENGINE-DRIVEN			AIR	359.496	631.042	64	-01665	66	1225 40208000
PUMPS-ENGINE-DRIVEN			AIR	384.138	421.846	206	-50763	65	1198 40210000
PUMPS-ENGINE-DRIVEN			AIR	397.6	443.103	408	-353	63	1114 40212000
PUMPS-ENGINE-DRIVEN			AIR	500				61	212 40214000
PUMPS-ENGINE-DRIVEN			AIR	597.232	643.804	400	-46548	65	1198 40216000
PUMPS-ENGINE-DRIVEN			AIR	693.548	849.774	272	-062	63	1114 40218000
PUMPS-ENGINE-DRIVEN			AIR	778				57	211 40220000
PUMPS-ENGINE-DRIVEN			AIR	862.876	935.876	200	-299	63	1114 40222000
PUMPS-ENGINE-DRIVEN			AIR	865.86	952.78	126	-21597	65	1155 40224000

# ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## MEMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS: PUMPS AND HYDRAULIC MOTORS  
PART DESCRIPTION: FUNCTIONAL APPLICATION

GO NO.C.C.

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	DATA INDEX	CROSS REF NO
PUMPS-ENGINE-DRIVEN	HYDRAULIC-POWER-SUPPLY	AIR SMP GRD	681.093	950.695	250	.33912	63 1192	40234550
PUMPS-ENGINE-DRIVEN		AIR GND	1000				58 212	40228000
PUMPS-ENGINE-DRIVEN	HYDRAULIC-SYSTEM	AIR	2400	3556.31		.005	58 212	40230000
PUMPS-ENGINE-DRIVEN-AIR		AIR	2909.09	3327.77	128	.033	66 1225	40232000
PUMPS-ENGINE-DRIVEN-FUEL		AIR	768.518	890.743		.218	63 2103	40234000
PUMPS-ENGINE-DRIVEN-FUEL		AIR	73.6196	96.862		.326	61 1083	40236000
PUMPS-ENGINE-DRIVEN-FUEL		AIR	95.0521	144.331		.119	61 1084	40238000
PUMPS-ENGINE-DRIVEN-FUEL	POWER-PLANT	AIR	1222.22	1628.9	64	.018	59 1110	40240000
PUMPS-ENGINE-DRIVEN-FUEL		AIR	2250.31	2366.63	126	.21597	63 1193	40242000
PUMPS-ENGINE-DRIVEN-FUEL		AIR	73.1395	118.802		.10238	63 1123	40244000
PUMPS-ENGINE-DRIVEN-WATER		AIR	166.666	371.155	64	.018	55 1110	40246000
PUMPS-ENGINE-DRIVEN-WATER	ENGINE-FUEL-AND-CONTROL-880	AIR	267.857	360.221		.055	61 1082	40248000
PUMPS-ENGINE-FUEL	ENGINE-FUEL-AND-CONTROL-880	AIR	40P				63 2360	40250000
PUMPS-ENGINE-FUEL	ENGINE-FUEL-AND-CONTROL-880	AIR	70P				66 2360	40252000
PUMPS-ENGINE-OIL		AIR	80P			.095	66 2360	40254000
PUMPS-ENGINE-TURBINE	AIR-CONDITIONING-DC8-21/51	AIR	2189.47	2397.13		.538	63 2120	40256000
PUMPS-FUEL	AFTERBURNER-TURBOJET-J-85	AIR	1728.62	1803.33			63 2115	40258000
PUMPS-FUEL	AUX-POWER-UNIT-ASBL	AIR	770				66 2380	40260000
PUMPS-FUEL	POWER-SECTION	AIR	4	22.6055	812	.10186	64 1179	40262000
PUMPS-FUEL		AIR	4	93.1472	59	.02472	65 1227	40264000
PUMPS-FUEL	TURBOJET-J-85	AIR	501374	1.95021	1716	1.9945	65 1201	40266000
PUMPS-FUEL	AFTERBURNER-TURBOJET-J-85	AIR	2.53754	10.2592	400	.37914	65 1201	40268000
PUMPS-FUEL	ENGINE-EM-1115	AIR	5.46119	14.533	244	.36622	65 1201	40270000
PUMPS-FUEL	AUXILIARY-POWER-UNIT-ASSEMBLY	AIR	6.7512	23.2882	948	.22854	65 1228	40272000
PUMPS-FUEL	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLANT	AIR	13.1268	29.2325	946	.23834	65 1228	40274000
PUMPS-FUEL		GRD	24.3309M	54.1832M	30	.1233M	66 1293	40276000
PUMPS-FUEL		AIR	39.2495	78.4758	812	.10186	64 1179	40278000
PUMPS-FUEL	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLANT	AIR	48.6263	129.401	76	.04113	66 1250	40280000
PUMPS-FUEL		AIR	60.1529	101.15	100	.1163	65 1198	40282000
PUMPS-FUEL	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLANT	AIR	68.1818	119.682	102	.088	63 1114	40284000
PUMPS-FUEL	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLANT	AIR	70.7959	121.398	50	.12691	64 1192	40286000
PUMPS-FUEL	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLANT	AIR	226.666	314.748	50	.011	63 1114	40288000
PUMPS-FUEL	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLANT	AIR	235.904	319.003	50	.08478	63 1198	40290000
PUMPS-FUEL-ENGINE-4200RPM-TGPM-800PSIG		AIR	133.333	266.451	120	.03	55 1215	40292000
PUMPS-FUEL-ENGINE-DRIVEN	AFTERBURNER	AIR	313				57 211	40294000
PUMPS-FUEL-ENGINE-DRIVEN		AIR	4500	6690.27		.216	63 2109	40296000
PUMPS-FUEL-IMPELLER-GEAR-DRIVEN		AIR	842.286	170.91	86	.01306	66 1240	40298000

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, WRIGHTSBURG, N.Y.

SECTION 1 FAILURE RATE DATA

PART CLASS 57 PUMPS AND HYDRAULIC MOTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

ALO N.O.C.

PUMPS-FUEL-MAIN-BUOYH.

1000PSI

PUMPS-FUEL-TRANSFER

PUMPS-FUEL-TRANSFER

PUMPS-FUEL-MTH-GOV-40H

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

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JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, WRIGHTSBURG, N.Y.

PART CLASS 57 PUMPS AND HYDRAULIC MOTORS

PART DESCRIPTION FUNCTIONAL APPLICATION

ALO N.O.C.

PUMPS-FUEL-MAIN-BUOYH.

1000PSI

PUMPS-FUEL-TRANSFER

PUMPS-FUEL-TRANSFER

PUMPS-FUEL-MTH-GOV-40H

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

PUMPS-FUEL-BUOY

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RAE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NONELCTRONIC PART FAILURE RATE DATA JANUARY 1969

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	Y4 OF DATA RPT SINCE REF NO	GROSS INDEX
PART DESCRIPTION									
00 N.O.C.									
PUMPS-MAND	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	53.333	106.58	50	.075	63	1114	40380000
PUMPS-MAND	DOOR-HYDRAULIC-RAMP	AIR	55.1528	92.7426	50	.12692	63	1198	40380000
PUMPS-MAND	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	58.9761	109.397	50	.08478	63	1198	40390000
PUMPS-MAND	NO-3-HYDRAULIC-SYSTEM	AIR	72.9394	162.431	76	.04113	66	1250	40392000A
PUMPS-MAND	DOOR-HYDRAULIC-RAMP	AIR	226.666	360.601	50	.075	63	1114	40394000
PUMP-MAND	DOOR-HYDRAULIC-RAMP	AIR	271.354	359.288	50	.08476	63	1198	40396000
PUMP-MAND-EMERGENCY	HYDRAULIC-SYSTEM	AIR	27.7829	61.8707	63	.10790	63	1155	40398000
PUMP-MAND-EMERGENCY		AIR	55.5555	97.5196		.108	63	2107	40400000
HY 3 RLC									
PUMPS-HERMETIC									
PUMPS-HERMETIC									
PUMPS-HYDRAULIC									
PUMPS-HYDRAULIC	GROUND-TO-GROUND-MISSILE (STORAGE)	GRD	1.42870	5.55758		.69989	63	2232	40402000
PUMPS-HYDRAULIC			2.23747	4.98269		1.3408	62	2232	40404000
PUMPS-HYDRAULIC				4.3889	39	.3256	64	1191	40406000
PUMPS-HYDRAULIC				.314755		7.3146	63	2111	40408000
PUMPS-HYDRAULIC	(STORAGE)	GRD		1.07835	121	2.1253	64	1191	40410000
PUMPS-HYDRAULIC	(STORAGE)			15.4619		.14892	63	2111	40412000
PUMPS-HYDRAULIC	(STORAGE)		.028944	.112585		34.549	63	2111	40414000
PUMPS-HYDRAULIC	(STORAGE)		.127785	.224307		46.934	63	2111	40416000
PUMPS-HYDRAULIC	(STORAGE)		.134				63	2111	40418000
PUMPS-HYDRAULIC			28.5388	52.9377		.17520	63	2111	40420000A
PUMPS-HYDRAULIC		GRD	28.5388	52.9377	7	.1752	64	1191	40422000
PUMPS-HYDRAULIC	THRUST-REVERSER-SYSTEM	AIR	42.5531	71.5556	304	.1643	66	1250	40424000A
PUMPS-HYDRAULIC	THRUST-REVERSER-SYSTEM	AIR	141.585	203.559	192	.09888	65	1227	40426000
PUMPS-HYDRAULIC		AIR	757.142	908.65	640	.07	61	1080	40428000A
PUMPS-HYDRAULIC		GRD	1000	1481.79		.012	62	1072	40430000
PUMPS-HYDRAULIC		AIR	3052.63	3253.41		.095	63	2120	40432000
PUMPS-HYDRAULIC		AIR	6060.6	1211.4	6	.00064	62	1157	40434000
PUMPS-HYDRAULIC		AIR	375	455.545	186	.072	65	1111	40436000
RECIPROCATING									
PUMPS-HYDRAULIC		HELI	231.213	375.569	40	.0346	66	1257	40438000
BOOST-CONTROL		HELI	473.559	831.262	80	.01267	66	1257	40440000
BOOST-CONTROL	HYDRAULIC-POWER.707-331B	AIR	70P				66	2361	40442000
PUMPS-HYDRAULIC	HYDRAULIC-POWER.707-331	AIR	260P				66	2361	40444000
ENGINE-DRIVEN	HYDRAULIC-POWER.707-131	AIR	340P				66	2361	40446000
ENGINE-DRIVEN	HYDRAULIC-POWER.707-131B	AIR	420P				66	2361	40448000
PUMPS-HYDRAULIC	HYDRAULIC-POWER.707-131	AIR	440P				66	2361	40450000
PUMPS-HYDRAULIC	HYDRAULIC-POWER.707-131	AIR	510P				65	2361	40452000
ENGINE-DRIVEN	HYDRAULIC-POWER.707-131A	AIR	570P				66	2361	40454000

# NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR RPT SRCE	CROSS INDEX
PART DESCRIPTION								
00 N-6-C-								
PUMPS-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER-707-3318	AIR	630P				66 2361	40456000
PUMPS-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER-707-1318	AIR	660P				65 2361	40456000
PUMPS-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER-707-3318	AIR	830P				66 2361	40460000
PUMPS-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER-707-3318	AIR	850P				65 2361	40462000
PUMPS-HYDRAULIC-ENGINE-DRIVEN	FLAP-PEPETTE	AIR	864.312	917.86	424	.538	64 1244	40464000A
PUMPS-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER-707-1318	AIR	970P				66 2361	40466000
PUMPS-HYDRAULIC-ENGINE-DRIVEN	HYDRAULIC-POWER-707-1318	AIR	1170P				65 2361	40468000
PUMPS-HYDRAULIC-ENGINE-DRIVEN		AIR	1226.76	1290.15	424	.53P	64 1264	40470000A
PUMPS-HYDRAULIC-ENGINE-DRIVEN		AIR	70.118	123.081		.05557	63 1123	40472000A
PUMPS-HYDRAULIC-AUXILIARY		AIR	132.302	154.964		.52909	65 1196	40474000
PUMPS-HYDRAULIC-AUXILIARY		AIR	144.981	168.37	424	.538	64 1266	40476000A
PUMPS-HYDRAULIC-AUXILIARY		AIR	167.504	445.753	31	.01194	63 1111	40478000
PUMPS-HYDRAULIC-AUXILIARY		AIR	444.444	888.888	16	.009	59 1110	40480000
PUMPS-HYDRAULIC-AUXILIARY		GRD	1816.18C	3191.54C	29	.0033C	66 1245	40482000A
PUMPS-HYDRAULIC-AUXILIARY		GRD	21428.5	37614.6	69	.00038	64 1245	40484000A
PUMPS-HYDRAULIC-AUXILIARY		GRD	9009	13879.8	20	.00111	65 1171	40486000
PUMPS-HYDRAULIC-AUXILIARY		GRD	14				63 1136	40488000
PUMPS-HYDRAULIC-AUXILIARY		GRD	2923.97	4504.86		.06342	63 1136	40490000
PUMPS-HYDRAULIC-AUXILIARY		AIR	35.2141	75.9395		.326	61 1083	40492000
PUMPS-HYDRAULIC-AUXILIARY		AIR	147.826	205.27		.115	61 1084	40494000
PUMPS-HYDRAULIC-AUXILIARY		AIR	352.858	600.019		.45943	65 1176	40496000
PUMPS-HYDRAULIC-AUXILIARY		AIR	571.428	801.842		.028	61 1082	40498000
PUMPS-HYDRAULIC-AUXILIARY		AIR	2166.66	2682.72	54	.018	59 1110	40500000
PUMPS-HYDRAULIC-AUXILIARY		AIR	2679.93	3138.97	172	.02612	64 1240	40502000A

ARMED AIR DEVELOPMENT CENTER, ORBITISS AFB, N.Y.  
SECTION / FAILURE RATE DATA

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF RPT	DATA INDEX	CROSS REF NO
PART DESCRIPTION										
.00 N.O.C.										
PUMPS-HYDRAULIC-ENGINE-DRIVEN-POWER-CONTROL	AIR	707.023	796.727				.87114	63	1123	40534000A
PUMPS-HYDRAULIC-ENGINE-DRIVEN-VARIABLE-DISPLACE	AIR	909.505	1001.60				.20229	66	1241	405940000
PUMPS-HYDRAULIC-ENGINE-DRIVEN-3000PSI	AIR	524.994	587.091				.26286	66	1241	40500000
PUMPS-HYDRAULIC-GAS-TURBINE-DRIVEN-AXIAL-PISTON	GRD	-111934	-180223	5768			62.537	64	1191	40510000
PUMPS-HYDRAULIC-GEAR-OPERATED	AIR	625	887.183	62			.024	63	1111	40512000
PUMPS-HYDRAULIC-MAND-OPERATED	AIR	0	328.942				.007	61	1082	40514000
PUMPS-HYDRAULIC-MAND-OPERATED	AIR	0	40.3944				.037	61	1084	40516000
PUMPS-HYDRAULIC-MAND-OPERATED	AIR	53.3333	106.58	50			.075	63	1114	40518000
PUMPS-HYDRAULIC-MAND-OPERATED	AIR	58.9761	109.307	50			.08478	63	1198	40520000
PUMPS-HYDRAULIC-LUBE-PUMP-DISPLACEMENT	AIR	535.987	901.294	86			.01306	64	1240	40522000A
PUMPS-HYDRAULIC-MOTOR-DRIVEN	AIR	67.4816	101.829				.163	61	1083	40324000
PUMPS-HYDRAULIC-MOTOR-DRIVEN	AIR	357.142	662.478				.014	61	1082	40326000
PUMPS-HYDRAULIC-MOTOR-DRIVEN-AC	AIR	672.339	793.386	183			.09519	64	1144	40528000A
PUMPS-HYDRAULIC-MOTOR-DRIVEN-DC	AIR	63.0918	167.737	61			.03173	64	1144	40530000
PUMPS-HYDRAULIC-MOTOR-DRIVEN-PISTON	MSL	0	230204				.00018	62	1134	40532000
PUMPS-HYDRAULIC-MOTOR-DRIVEN-VARIABLE-DISPLACE	GRD	3930.13	6203.49				.00229	62	1136	40534000
PUMPS-HYDRAULIC-OIL	MSL	208.763	812.043	108			.00479	63	1118	40536000A
PUMPS-HYDRAULIC-OIL	MSL	367.647	1430.03	108			.00272	63	1115	40538000A
PUMPS-HYDRAULIC-PISTON-FIXED-ANGLE	GRD	0	15.4619	1			.14892	64	1191	40540000
PUMPS-HYDRAULIC-TURBINE-DRIVEN-CONSTANT-DISPLACE	GRD	4705.88	9404.17				.00095	62	1136	40542000
PUMPS-HYDRAULIC-TURBINE-DRIVEN-VARIABLE-DISPLACE	MSL	0	115134				.00024	62	1136	40544000
PUMPS-HYDRAULIC-TURBINE-DRIVEN-VARIABLE-DISPLACE	AIR	153.139	599.666	43			.00653	64	1240	40546000A
PUMPS-HYDRAULIC-TURBINE-DRIVEN-VARIABLE-DISPLACE	GRD	1226.99	2452				.00326	62	1136	40548000
PUMPS-HYDRAULIC-TURBINE-DRIVEN-POWER-UNIT	GRD	506.329	1011.84				.0079	62	1135	40590000



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS OF DATA INDEX
PART DESCRIPTION									
-00 N.B.C.									
PUMPS, HYDRAULIC, VARIABLE-DELIVERY			AIR	1884.05	1994.21		.274	59	1070 40552000
PUMPS, HYDRAULIC, VARIABLE-DELIVERY, ENGINE-DRIVEN			AIR	704.437	825.098		.09937	63	1123 40554000A
PUMPS, HYDRAULIC, VARIABLE-DELIVERY, PISTON, 2GAL/MIN, 1500RPM, 1500PSI			HELI	360	473.533	120	.03	65	1215 40554000
PUMPS, HYDRAULIC, VARIABLE-DELIVERY, PRESS-COMP			HELI	224.299	271.764	302	.214	66	1234 40558000A
PUMPS, HYDRAULIC, VARIABLE-DELIVERY, PRESS-COMP			HELI	766.355	886.621	151	.107	64	1234 40560000A
PUMPS, HYDRAULIC, VARIABLE-DELIVERY, PRESS-COMP			HELI	835.073	1668.79	108	.00479	63	1118 40544200C
DISPLACEMENT, FIXED-ANGLE			HELI	1102.84	2456.17	108	.00272	63	1118 40544400B
DISPLACEMENT, FIXED-ANGLE			AIR	2133.22	2424.06		.04969	63	1123 40544000A
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	UTILITY-SYSTEM	HYDRAULIC-POWER, 727	AIR	140P				65	2360 40569000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 727		AIR	190P				64	2360 40570000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 727		AIR	280P				64	2360 40572000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-131B		AIR	70P				64	2362 40574000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-131B		AIR	160P				65	2362 40576000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-331		AIR	170P				65	2362 40578000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-331B		AIR	260P				65	2362 40580000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 727		AIR	270P				65	2360 40582000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 880		AIR	280P				65	2360 40584000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-331B		AIR	280P				66	2362 40586000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 880		AIR	330P				66	2360 40588000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-131		AIR	450P				65	2362 40590000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 707-131		AIR	460P				66	2362 40592000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 727		AIR	470P				64	2360 40594000
PUMPS, HYDRAULIC, ELECTRIC-DRIVEN	HYDRAULIC-POWER, 831C/372C		AIR	500P				64	2360 40596000

FROM AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.  
SECTION I FAILURE RATE DATA

MECHANISTIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SYSTEMS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SPACE REF NO	CROSS INDEX
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-1318	AIR	320P	66	2362	40390000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-1318	AIR	670P	66	2362	40600000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-331	AIR	400P	66	2362	40602000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-900	AIR	687P	66	2360	40604000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-3318	AIR	710P	66	2362	40606000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-331C/373C	AIR	720P	66	2360	40608000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-131	AIR	740P	66	2362	40610000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-331	AIR	930P	66	2362	40612000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-727	AIR	1010P	66	2360	40614000			
PUMPS-HYDRAULIC- ENGINE-DRIVEN	HYDRAULIC-POWER-707-3318	AIR	1060P	66	2362	40616000			
PUMPS-HYDRAULIC-DRIVEN	FUEL-TRANSFER	AIR	500.411	66	1241	40618000			
PUMPS-JET	AIR-CONDITIONER-FLIGHT-DECK	AIR	0	69	1198	40620000			
PUMPS-JET	AIR-CONDITIONER-FLIGHT-DECK	AIR	0	63	1198	40622000			
PUMPS-JET	REFR-UNIT-AIR-COND-CARGO-COMPT	AIR	0	65	1198	40624000			
PUMPS-JET	AIR-CONDITIONER-FLIGHT-DECK	AIR	7.8746	65	1198	40626000			
PUMPS-JET	REFR-UNIT-AIR-COND-CARGO-COMPT	AIR	11.3634	63	1114	40628000			
PUMPS-JET	REFR-UNIT-AIR-COND-CARGO-COMPT	AIR	39.3979	65	1198	40630000			
PUMPS-JET	REFR-UNIT-AIR-COND-CARGO-COMPT	AIR	58.9741	63	1198	40632000			
PUMPS-JET	REFR-UNIT-AIR-COND-CARGO-COMPT	AIR	64.6666	63	1114	40634000			
PUMPS-JET	AIR-CONDITIONER	AIR	0	65	1198	40636000			
PUMPS-JET	AIR-CONDITIONER-FLIGHT-DECK	AIR	13.3333	63	1114	40638000			
PUMPS-JET	AIR-CONDITIONER-FLIGHT-DECK	AIR	23.5904	63	1198	40640000			
PUMPS-JET	AIR-CONDITIONER-FLIGHT-DECK	AIR	23.6387	65	1198	40642000			
PUMPS-LUBE/SCAVENGE	TURBOJET-J-85	AIR	19.6347	64	1179	40644000			
PUMPS-LUBE/SCAVENGE	MAIN-CAMERA-VACUUM-SYSTEM	AIR	285.714	63	1114	40646000			
PUMPS-LUBE/SCAVENGE-81C	TURBOJET-J-85	AIR	13.1268	65	1228	40648000			
PUMPS-MOTOR-DRIVEN	PROPELLER-FEATHER	AIR	0	61	1084	40650000			
PUMPS-MOTOR-DRIVEN	TARGET-SEEKER-SYSTEM	GRD	492	57	211	40652000			
PUMPS-MOTOR-DRIVEN		GRD	1739.13	62	1135	40654000			
PUMPS-MOTOR-DRIVEN-ALCOHOL		AIR	200	61	212	40656000			
PUMPS-MOTOR-DRIVEN-BOOSTER		AIR	15.9	61	212	40658000			
PUMPS-MOTOR-DRIVEN-BOOSTER	AIR SHIP GRD 101.204	AIR SHIP GRD 200	124.309	59	212	40660000			
PUMPS-MOTOR-DRIVEN-BOOSTER	AIR SHIP GRD 200	AIR GRD 2000	2500	58	212	40662000			
PUMPS-MOTOR-DRIVEN-BOOSTER		AIR GRD	4637.35	51	212	40664000			
PUMPS-MOTOR-DRIVEN-BOOSTER		AIR GRD	0.002	59	212	40666000			

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF RPT	CROSS DATA INDEX
PART DESCRIPTION									REF NO
-00 N.O.C.									
PUMPS-MOTOR-DRIVEN-FUEL			AIR	65.3041	91.6391	245	61	1082	40468000
PUMPS-MOTOR-DRIVEN-FUEL			AIR	194.274	222.394	.489	61	1082	40370000
PUMPS-MOTOR-DRIVEN-FUEL			AIR	330.434	410.319	.115	61	1084	40372000
PUMPS-MOTOR-DRIVEN-WATER			AIR	35.7142	138.917	.028	61	1082	40674000
PUMPS-OIL			AIR	0	93.1472	48	65	1227	40676000
PUMPS-OIL	AUX-POWER-UNIT-ASSEMBLY		AIR	0	55.9834	74	64	1290	40678000A
PUMPS-OIL	AUXILIARY-POWER-UNIT-ASSEMBLY		AIR	50.1379	1.95021	.0413	65	1201	40680000
PUMPS-OIL	GEAR-BOX-POWER-SECTION		AIR	7.51264	17.6209	1.9945	65	1201	40682000
PUMPS-OIL	REDUCTION-GEAR		AIR	21.1003	34.2741	.37914	65	1201	40684000
PUMPS-OIL	POWER-SECTION		AIR	31.152	43.7133	.51361	65	1201	40686000
PUMPS-OIL	LUBE-SYSTEM		AIR	570.324	420.238	.42432	65	1194	40688000
PUMPS-OIL	FRESH-COMPRESSOR-AIR-CONDITIONING		AIR	137.497	192.932	.11637	65	1198	40690000
PUMPS-OIL-CONTROLLER-ATM	AUX-POWER-PLANT		AIR	200	252.386	.015	63	1114	40692000
PUMPS-OIL-CONTROLLER-ATM	AUX-POWER-PLANT		AIR	362.461	441.036	.12691	65	1198	40694000
PUMPS-OIL-CONTROLLER-ATM	AUX-POWER-PLANT		AIR	375	473.34	.084	63	1114	40696000
PUMPS-OIL-CONTROLLER-ATM	AUX-POWER-PLANT		AIR	1073.36	1232.44	.08478	63	1198	40698000
PUMPS-OIL-CONTROLLER-ATM	AUX-POWER-PLANT		AIR	1090	1230.64	.075	63	1114	40700000
PUMPS-OIL-ENGINE	POWER-PLANT-SYSTEM		AIR	778.909	1135.88	.01669	66	1225	40702000
PUMPS-OIL-MAIN	MAIN-LUBE-SYSTEM		AIR	1.537	7.27225	.21391	65	1201	40704000
PUMPS-OIL-MAIN	MAIN-POWER-SECTION		AIR	7.92068	10.6755	1.9945	65	1201	40706000
PUMPS-OIL-MAIN	MAIN-LUBE-SYSTEM		AIR	8.19179	18.2425	.36622	65	1201	40708000
PUMPS-OIL-MAIN			AIR	54.7536	280.754	.01762	65	1201	40710000
PUMPS-OIL-MAIN			AIR	9.52858	9.39008	.5660	66	1277	40712000
POSITIVE-DISPLACEMENT									
PUMPS-OIL-POWER-SUPPLY-COGLANT			AIR	1000	1481.72	.012	63	1111	40714000
PUMPS-OIL-PRESSURE									
PUMPS-OIL-PRESSURE	MAIN-POWER-SECTION		AIR	4.84121	18.9086	.20371	65	1201	40716000
PUMPS-OIL-PRESSURE	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLT		AIR	42.9664	79.7	.11637	65	1198	40718000
PUMPS-OIL-PRESSURE	REDUCTION-GEAR		AIR	52.7309	71.3327	.37914	65	1201	40720000
PUMPS-OIL-PRESSURE	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLT		AIR	70.9163	111.937	.12691	65	1198	40722000
PUMPS-OIL-PRESSURE	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLT		AIR	102.272	141.431	.088	63	1114	40724000
PUMPS-OIL-PRESSURE	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLT		AIR	173.533	252.772	.075	63	1114	40726000
PUMPS-OIL-SPUR-GEAR-TYPE	GAS-TURBINE-COMPRESSOR-AUX-POWER-PLT		AIR	176.928	231.148	.08478	63	1198	40728000
PUMPS-OIL-WITH-FILTER	POWER-SECTION		AIR	.085837	.33388	11.65	64	1148	40730000
PUMPS-OIL-WITH-FILTER	LUBE-SYSTEM		AIR	5.01378	7.72456	1.9945	65	1201	40732000
PUMPS-OIL-WITH-FILTER	REDUCTION-GEAR		AIR	5.46119	14.533	.36622	65	1201	40734000
PUMPS-OIL-WITH-FILTER	REDUCTION-GEAR		AIR	10.5201	21.0832	.27914	63	1201	40736000
PUMPS-OIL-WITH-FILTER	LUBE-SYSTEM		AIR	13.629	22.9179	.51361	65	1201	40738000
PUMPS-OIL-WITH-FILTER	LUBE-SYSTEM		LAB	113.507	302.06	.01762	65	1291	40740000
PUMPS-OIL-3-STAGE	TRANSMISSION		HELL	435.333	631.931	.03	65	1215	40742000
T-GAL/MIN/STAGE									
PUMPS-OVERRIDE	ENGINE		HELL	222.222	591.366	.009	59	1118	40744000
PUMPS-PADBLE			HELL	1.50256	2.16707	12.189	64	2232	40746000
PUMPS-PISTON-TYPE			AIR	6.969			65	2590	40748000
HYDRAULIC									
ELECTRIC-ACTUATION									

WOMEN AIR DEVELOPMENT SENIOR, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

# NON-ELECTRONIC PART FAILURE RATE DATA

1964

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LIMIT	PARTY- LATION	PART HOURS	YN	DATA INDEX	CROSS REF NO
PART DESCRIPTION										
.00 M.B.C.										
PUMPS-PISTON-TYPE.			AIR	6.22P				65	2500	40750000
HYDRAULIC-AUXILIARY										
ELECTRIC-ACTUATION.										
PUMPS-PISTON-TYPE.			AIR	7.7P				65	2500	40752000
HYDRAULIC-AUXILIARY										
ELECTRIC-ACTUATION.			AIR	.27P				65	2500	40754000
PUMPS-PISTON-TYPE.										
HYDRAULIC.										
MANUAL-ACTUATION			AIR	.1P				95	2500	40756000
PUMPS-PISTON-TYPE.										
HYDRAULIC.			AIR	.16P				65	2500	40758000
MANUAL-ACTUATION-MAND										
PUMPS-PISTON-TYPE.			AIR	.56P				65	2500	40760000
HYDRAULIC.										
MANUAL-ACTUATION-MAND			AIR	5.02P				65	2500	40762000
PUMPS-PISTON-TYPE.										
HYDRAULIC.			AIR	3.83P				65	2500	40764000
MECHANICAL-ACTUATION										
PUMPS-PISTON-TYPE.			AIR	3.21P				65	2500	40766000
HYDRAULIC-MECH. ACTUATION.										
ENGINE-DRIVEN										
PUMPS-PISTON-TYPE.										
HYDRAULIC-MECH. ACTUATION.										
ENGINE-DRIVEN										
PUMPS-PNEUMATIC-DRIVEN			LAB	16.7	559.53	31	.01194	63	1138	40768000
PUMPS-PRESSURE			AIR	251.256	1.92021	1716	1.9945	63	1111	40770000
PUMPS-PRESSURE-REDUCTION			AIR	19.1348	50.514	400	.46713	65	1201	40772000
PUMPS-PRESSURE-REDUCTION			AIR	42.4329	60.3184	408	.353	63	1114	40774000
PUMPS-PRESSURE-REDUCTION			AIR	61.0081	77.6743	200	.90763	63	1198	40776000
PUMPS-PRESSURE-REDUCTION			AIR	96.7741	169.872	272	.062	63	1114	40778000
PUMPS-PRESSURE-REDUCTION			AIR	100.334	128.144	200	.297	63	1114	40780000
PUMPS-PRESSURE-REDUCTION			AIR	103.208	129.368	200	.33917	63	1198	40782000
PUMPS-PRESSURE-REDUCTION			AIR	6	23.2868	192	.09888	63	1198	40784000
PUMPS-PRESSURE/SCAVENGE			AIR	6	13.9975	304	.1645	66	1250	40786000
PUMPS-PRESSURE/SCAVENGE										
PUMPS-PRESSURE/SCAVENGE			AIR	10.7416	19.925	400	.46548	65	1198	40790000
PUMPS-PRESSURE/SCAVENGE			AIR	16.129	62.737	277	.062	63	1114	40792000
PUMPS-PRESSURE/SCAVENGE			AIR	20.2263	53.8258	192	.09888	65	1227	40794000
PUMPS-PRESSURE/SCAVENGE			AIR	62.3229	83.8601	408	.353	63	1114	40796000
PUMPS-PRESSURE/SCAVENGE			AIR	124.106	149.647	200	.50763	63	1198	40798000
PUMPS-PRESSURE/SCAVENGE			AIR	138.594	169.275	200	.33912	63	1198	40800000

# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## NON-ELECTROMEC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	5/5 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
00 N.O.C.									
PUMPS, PRESSURE/SCAVENGE	ENGINE-OIL-SYSTEM	AIR	147.157	179.874	200		.299	63	1114 40802800
PUMPS, PRESSURE/SCAVENGE	CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	0	13.8975	504		.1645	64	1250 40804200
PUMPS, PURGING-GTC	AUX-POWER-PLANT	AIR	0	14.7668	100		.11637	65	1198 40806000
PUMPS, RAM-AIR-DRIVEN		AIR GND	1000	2226.99			.003	58	212 40808000
PUMPS, RAM-AIR-DRIVEN		AIR GND	2000					61	212 40810000
PUMPS, RAM-AIR-TURBINE		AIR	126.319	187.174			.095	55	2121 40812000
PUMPS, REFUELING-AIR		AIR	116.111	295.683	64		.018	59	1110 40814000
PUMPS, RESERVOIR		MSL	5					58	212 40816000
PUMPS, RESERVOIR		AIR SHP GND 66-7						61	212 40818000
PUMPS, RESERVOIR		AIR SHP GND 300						58	212 40820000
PUMPS, RESERVOIR		AIR SHP GND 673.913						59	212 40822000
PUMPS, SCAVENGE	NOSE-REDUCTION-ENGINE-OIL-SYSTEM	AIR	0	772.605	200		.136	63	1198 40824000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	0	6.78992			.33912	63	1111 40826000
PUMPS, SCAVENGE	NOSE-REDUCTION-ENGINE-OIL-SYSTEM	AIR	0	92.9416	62		.024	63	1111 40828000
PUMPS, SCAVENGE	MAIN-REDUCTION-ENGINE-OIL-SYSTEM	AIR	0	4.94672	400		.46948	65	1198 40830000
PUMPS, SCAVENGE	MAIN-REDUCTION-ENGINE-OIL-SYSTEM	AIR	0	4.53598	200		.50763	65	1198 40832000
PUMPS, SCAVENGE	NOSE-REDUCTION-ENGINE-OIL-SYSTEM	AIR	0	4.53598	200		.50763	65	1198 40834000
PUMPS, SCAVENGE	MAIN-REDUCTION-ENGINE-OIL-SYSTEM	AIR	0	6.94672	400		.46548	65	1198 40836000
PUMPS, SCAVENGE	TRANSFER-GEARBOX-PROPULSION-SYSTEM	AIR	0	176.309	86		.01306	66	1240 40838000
PUMPS, SCAVENGE	TURBINE-REAR	AIR	1.00275	2.66848	1716		1.9945	05	1201 40840000
PUMPS, SCAVENGE	TURBINE-REAR-POWER-SECTION	AIR	1.00275	2.66848	1716		1.9945	65	1201 40842000
PUMPS, SCAVENGE	MAIN-REDUCTION-ENGINE-OIL-SYSTEM	AIR	3.34448	13.009	200		.299	63	1114 40844000
PUMPS, SCAVENGE	OIL-TURBINE-REAR-POWER-SECTION	AIR	5.27509	14.0378	400		.37914	65	1201 40846000
PUMPS, SCAVENGE	OIL-TURBINE-FRONT-POWER-SECTION	AIR	5.46119	14.533	244		.36622	65	1201 40848000
PUMPS, SCAVENGE	MAIN-REDUCTION-ENGINE-OIL-SYSTEM	AIR	5.89161	15.6944	200		.33512	63	1198 40850000
PUMPS, SCAVENGE	TURBINE-FRONT-POWER-SECTION	AIR	6.51792	9.50511	1716		1.9945	65	1201 40852000
PUMPS, SCAVENGE	TURBINE-FRONT-POWER-SECTION	AIR	10.5501	21.0833	400		.33914	65	1201 40854000
PUMPS, SCAVENGE	OIL-MAIN-REDUCTION-GEAR	AIR	12.5395	21.0793	708		.55841	65	1201 40856000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	15.0382	25.2876	400		.46548	65	1198 40858000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	16.129	62.737	272		.062	63	1114 40860000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	26.7558	43.4605	200		.299	63	1114 40862000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	29.488	45.4312	200		.33912	63	1198 40864000
PUMPS, SCAVENGE	TURBINE-FRONT-POWER-SECTION	AIR	38.8896	63.1656	240		.20371	65	1201 40866000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	49.2484	64.439	200		.50763	65	1198 40868000
PUMPS, SCAVENGE	FUEL-SYSTEM	AIR	59.49	79.6422	408		.353	63	1114 40870000
PUMPS, SCAVENGE	TURBINE-FRONT-POWER-SECTION	AIR	68.0484	89.5904	448		.35269	65	1201 40872000
PUMPS, SCAVENGE	NOSE-REDUCTION-ENGINE-OIL-SYSTEM	AIR	153.139	407.526	86		.01306	66	1240 40874000
PUMPS, SCAVENGE, BEARING	ENGINE/CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	0	4.66585	912		.4935	66	1250 40876000
PUMPS, SCAVENGE, BEARING/CSO-OIL-SYSTEM		AIR	9	7.76227	576		.29684	65	1227 40878000
PUMPS, SCAVENGE, DIFFUSER	ENGINE-OIL-SYSTEM	AIR	0	4.94672	400		.46548	65	1198 40880000
PUMPS, SCAVENGE, DIFFUSER	ENGINE-OIL-SYSTEM	AIR	1.96593	7.66247	200		.50763	65	1198 40882000
PUMPS, SCAVENGE, DIFFUSER	ENGINE-OIL-SYSTEM	AIR	2.83286	11.0189	408		.353	63	1114 40884000
PUMPS, SCAVENGE, DIFFUSER	POWER-SECTION	AIR	4.5124	7.12258	1716		1.9945	65	1201 40886000
PUMPS, SCAVENGE, DIFFUSER	ENGINE-OIL-SYSTEM	AIR	5.89161	15.6944	200		.33912	63	1198 40888000

NAME AIR DEVELOPMENT CENTER, GRADISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MODEL ECONOMIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX RPT PAGE REF NO
PART DESCRIPTION									
.00 N.O.C.									
PUMPS-SCAVENGE-DIFFUSER	ENGINE-OIL-SYSTEM	AIR	6.6896	17.8893	200	-299	63 1114	40930000	
PUMPS-SCAVENGE-DIFFUSER	POWER-SECTION	AIR	8.50009	19.9424	448	-35269	63 1201	40995000	
PUMPS-SCAVENGE-DIFFUSER	POWER-SECTION	AIR	10.5901	21.0633	400	-37914	63 1201	40972000	
PUMPS-SCAVENGE-DIFFUSER	POWER-SECTION	AIR	19.4448	38.8583	240	-20571	63 1201	40994000	
PUMPS-SCAVENGE-DUPLEX	OIL-SYS-GTC-AUX-POWER	AIR	8.59328	35.4252	100	-11637	63 1198	40996000	
PUMPS-SCAVENGE-DUPLEX	OIL-SYS-GTC-AUX-POWER	AIR	11.7952	45.8799	50	-108478	63 1198	40996000	
PUMPS-SCAVENGE-DUPLEX	OIL-SYS-GTC-AUX-POWER	AIR	13.3333	51.8626	50	-875	63 1114	40996000	
PUMPS-SCAVENGE-DUPLEX	OIL-SYS-GTC-AUX-POWER	AIR	15.7991	61.9375	50	-12691	63 1198	40992000	
PUMPS-SCAVENGE-DUPLEX	OIL-SYS-GTC-AUX-POWER	AIR	22.7272	60.4806	102	-888	63 1114	40994000	
PUMPS-SCAVENGE-ENG-OIL	FORWARD-AND-AFT-TURBINE	AIR	3.22264	7.17617	900	-93097	63 1198	40994000	
PUMPS-SCAVENGE-ENG-OIL	FORWARD-AND-AFT-TURBINE	AIR	5.90958	10.3733	400	-10193	63 1198	40996000	
PUMPS-SCAVENGE-ENG-OIL	FORWARD-AND-AFT-TURBINE	AIR	8.04221	11.2682	344	-124	63 1114	40918000	
PUMPS-SCAVENGE-ENG-OIL	FORWARD-AND-AFT-TURBINE	AIR	6.49856	14.9179	616	-704	63 1114	40912000	
PUMPS-SCAVENGE-ENG-OIL	FORWARD-AND-AFT-TURBINE	AIR	21.7028	31.6493	400	-599	63 1114	40914000	
PUMPS-SCAVENGE-ENG-OIL	FORWARD-AND-AFT-TURBINE	AIR	22.1163	31.394	400	-67823	63 1198	40916000	
PUMPS-SEL P-PRIMING		AIR	141865	430746		12.356	63 1198	40920000	
PUMPS-SEL P-PRIMING		AIR	31.9008	124.112	150	-03134	63 1114	40922000	
PUMPS-SEL P-PRIMING		AIR	35.7142	138.917	150	-028	63 1114	40922000	
PUMPS-SEL P-PRIMING		AIR	225.806	375.796	136	-031	63 1114	40924000	
PUMPS-SEL P-PRIMING		AIR	442.553	503.843	200	-23274	63 1198	40926000	
PUMPS-SEL P-PRIMING		AIR	764.321	839.557	100	-25382	63 1198	40928000	
PUMPS-SEL P-PRIMING		AIR	823.063	918.656	204	-176	63 1114	40930000	
PUMPS-SEL P-PRIMING		AIR	1291.57	1410.76	100	-16956	63 1198	40932000	
PUMPS-SEL P-PRIMING		AIR	1348.99	1479.29	100	-149	63 1114	40934000	
PUMPS-SEL P-PRIMING		AIR	6	2302.6		-001	57 212	40936000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	230P				66 2360	40938000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	280P				65 2360	40940000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	330P				66 2360	40942000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	20P				66 2361	40944000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	30P				66 2361	40946000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	60P				66 2361	40948000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	80P				65 2361	40950000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	100P				66 2361	40952000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	100P				66 2361	40954000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	30P				66 2364	40956000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	70P				66 2364	40958000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	80P				66 2364	40960000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	170P				65 2364	40962000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	60.1529	101.15	100	-11637	65 1198	40964000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	63.0367	102.293	50	-12621	62 1198	40966000	
PUMPS-THRUST-REV	EXHAUST. 800	AIR	68.1818	119.682	102	-888	63 1114	40970000	



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

JANUARY 1968

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	YR OF DATA INDEX	CROSS REF NO
00 H.O.C.							
PUMPS-ENGINE-FUEL	ENGINE-FUEL-AND-CONTROL-800	AIR	50P			65 2363	41058000
PUMPS-ENGINE-FUEL	ENGINE-FUEL-AND-CONTROL-800	AIR	80P			66 2363	41060000
PUMPS-FUEL-BOOST-AND-TRANSFER	FUEL-800	AIR	130A			66 2363	41067000
PUMPS-FUEL-BOOST-AND-TRANSFER	FUEL-800	AIR	200P			65 2353	41064000
PUMPS-FUEL-BOOST-AND-TRANSFER	FUEL-800	AIR	210P			66 2363	41066000
PUMPS-MOTOR-COMBINATION		AIR GND	103.446	138.838		58 212	41068000
00 CENTRIFUGAL							
FUEL-OR-OIL		AIR	3.31P			65 2590	41070000
FUEL-OR-OIL		AIR	.09P			65 2590	41072000
ELECTRIC-MOTOR-ACTUATION		AIR	.51P			65 2590	41074000
FUEL-OR-OIL		AIR	1.77P			65 2590	41076000
FUEL-OR-OIL		AIR	1.18P			65 2590	41078000
ELECTRIC-MOTOR-ACTUATION		AIR	2.31P			65 2590	41080000
BOOST-AUXILIARY							
FUEL-OR-OIL		AIR	.92P			65 2590	41082000
ELECTRIC-MOTOR-ACTUATION		AIR	.49P			65 2590	41084000
BOOST-EXTERNAL							
FUEL-OR-OIL		AIR	.1P			65 2590	41086000
ELECTRIC-MOTOR-ACTUATION		AIR	.13P			65 2590	41088000
BOOST-INTEGRAL-TANK							
FUEL-OR-OIL		AIR	.5P			65 2590	41090000
ELECTRIC-MOTOR-ACTUATION		AIR	.51P			65 2590	41092000
JETTISON							
FUEL-OR-OIL		AIR	.64P			65 2590	41094000
ELECTRIC-MOTOR-ACTUATION							
SCAVENGE							
FUEL-OR-OIL							
ELECTRIC-MOTOR-ACTUATION							
SCAVENGE							
FUEL-OR-OIL							
ELECTRIC-MOTOR-ACTUATION							
TRANSFER/DRAIN							
FUEL-OR-OIL							
ELECTRIC-MOTOR-ACTUATION							
TRANSFER/DRAIN							





ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	575 PUMPS AND HYDRAULIC MOTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SPCE	REF NG
.40 GEAR									
PUMPS-FUEL-OR-OIL.			AIR	.41P				65	2590 41142000
MECHANICAL-ACTUATION.									
ASSEMBLY									
PUMPS-FUEL-OR-OIL.			AIR	.8P				65	2590 41144000
MECHANICAL-ACTUATION.									
ASSEMBLY									
PUMPS-FUEL-OR-OIL.			AIR	.21P				65	2590 41146000
MECHANICAL-ACTUATION.									
ASSEMBLY-PRESSURE									
PUMPS-FUEL-OR-OIL.			AIR	.62P				65	2590 41144000
MECHANICAL-ACTUATION.									
ASSEMBLY-PRESSURE									
PUMPS-FUEL-OR-OIL.			AIR	.16P				65	2590 41150000
MECHANICAL-ACTUATION.									
DUPLEX-OIL-SCAVENGE									
PUMPS-FUEL-OR-OIL.			AIR	.5P				65	2590 41152000
MECHANICAL-ACTUATION.									
GIL-SCAVENGE									
PUMPS-FUEL-OR-OIL.			AIR	.31P				65	2590 41154000
MECHANICAL-ACTUATION.									
OIL-PRESSURE									
PUMPS-FUEL-OR-OIL.			AIR	.72P				65	2590 41156000
MECHANICAL-ACTUATION.									
OIL-PRESSURE									
.50 RECIPROCATING									
PUMPS		COMPRESSOR	AIR	1250	1774.36	31	.012	63	1111 41158000
PUMPS-HYDRAULIC-SERVO-CONTROL			AIR	333.333	666.129	31	.012	63	1111 41160000
.60 RADIAL									
PUMPS-PRESSURE		CAMERA	AIR	1416.66	1967.17	31	.012	63	1111 41162000
PUMPS-VACUUM			AIR	416.666	772.831	31	.012	63	1111 41164000

ROME AIR DEVELOPMENT CENTER, GAFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS		576 PLATFORMS	NONELECTRONIC PART FAILURE RATE DATA				JANUARY 1961	
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER SO CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
.00 M.G.C.								
GYRO	NAVIGATION-INSTRUMENTATION	AIR	3319.64	3583.18	406	.08766	64	1179 4116000
GYRO	NAVIGATION-INSTRUMENTATION	AIR	3720.61	3569.91	473	.11427	65	1228 4116000A
GYRO-STABILIZED		AIR	1556.42	2528.19		.00514	65	1188 4117000A
JUMP	TROOP-DOOR-CARGO-COMPARTMENT	AIR	20.2265	78.6751	96	.04944	65	1227 4117000
STABILIZED	INERTIAL-NAVIGATION-ST-905	GRD	746.268	2502.76	7	.00134	66	1245 4117400B
STABILIZED	INERTIAL-NAVIGATION-ST-124	GRD	819.672	1825.35	9	.00366	66	1245 41176000
.10 INERTIAL								
	AB/ASN-56-INERTIAL-NAVIGATION-SET	AIR	0	12792.2		.00018	64	1241 4117800C
	ASN-48-INERTIAL-NAVIGATION-SET	AIR	6225.68	7887.69		.00514	65	1188 41180000

SEMICONDUCTOR PART FAILURE RATE DATA

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	58C PRORES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								REF	REF NO
-00 N.O.C.									
ANTENNA		TRANSMITTER-ANGLE-OF-ATTACK-TRR-58	AIR	4638.7	4970.39		-07653	66	1241 41204000
ANTENNA		HF-COMMUNICATION-SYSTEM	AIR	24.3111	94.5708	70	-04113	66	1230 41204000A
ARRESTOR-RELAY-ASSEMBLY		HF-COMMUNICATION-SYSTEM	AIR	40.451	157.35	48	-02472	65	1227 41204000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-3310	AIR	90P				66	2364 41210000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-3310	AIR	100P				66	2364 41212000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-3310	AIR	140P				66	2362 41214000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-331	AIR	150P				66	2362 41214000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-331	AIR	160P				66	2364 41214000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-3310	AIR	240P				66	2362 41220000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-331	AIR	310P				65	2364 41220000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-331	AIR	340P				66	2364 41224000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-3310	AIR	420P				65	2364 41226000
ARRESTOR-RELAY-ASSEMBLY		COMMUNICATIONS-707-3310	AIR	680P				66	2362 41228000
CAPACITANCE-INDICATING		COMMUNICATIONS-707-331	AIR	55.5555	147.841	93	-036	63	1111 41230000
OXYGEN			AIR						
CRYSTAL-TRANSDUCER		WATER-VELOCITY	SUB	1324.5	2040.61	10	-98755	65	1246 41237000A
CRYSTAL-TRANSDUCER		WATER-VELOCITY	SUB	1587.3	2786.26	5	-00378	65	1246 41234000A
CRYSTAL-TRANSDUCER-WATER-VELOCITY			SHP	1666.66	2567.77	10	-006	64	1161 41236000A
CRYSTAL-TRANSDUCER-WATER-VELOCITY			SHP	2000	3510.7	5	-003	64	1161 41238000A
DETECTOR-ICE			MELI	86.7652	193.086	40	-0346	66	1257 41240000
DETECTOR-ICE			MELI	157.453	420.071	40	-01267	66	1257 41242000
DETECTOR-ICE			MELI	185.185	720.314	20	-0054	66	1257 41244000
FUEL-QUANTITY		TANK	AIR	37.267	41.7233	4179	3.6225	67	1272 41246000
FUEL-QUANTITY		TANK	AIR	47.5071	58.9922	3311	-79988	65	1228 41248000
HUMIDITY-TEMP		AN/ARG-7-RL-454	AIR	0	220.344	50	-01045	63	1198 41250000
OXIDIZER			GRD	913.242	2430.27	34	-00219	62	213 41257000
OXIDIZER			GRD	913.242	2430.27	34	-00219	62	1113 41254000
OXIDIZER			GRD	1290.32	2578.56	46	-0031	63	1125 41256000
PRESSURE		PITOT-STATIC-SYSTEM	AIR	42.48	56.6148	597	-51789	67	1272 41258000
PRESSURE		PITOT-STATIC-SYSTEM	AIR	68.4462	120.147	406	-08766	64	1179 41260000
PRESSURE-EXHAUST		PITOT-STATIC-SYSTEM	AIR	78.7608	124.319	473	-11427	65	1228 41262000
PRESSURE-INLET			AIR	336.842	426.765	248	-005	63	1111 41264000
PRESSURE-RATIO			AIR	0	24.1109	248	-0955	63	1111 41266000
PRESSURE-RATIO			AIR	-868357	3.37764	2128	-11516	66	1250 41268000
QUANTITY-FUEL		ENGINE	AIR	13.0027	20.5241	1344	-69216	65	1227 41270000
QUANTITY-FUEL		ENGINE	AIR	2.15517	5.73523	4080	-928	63	1114 41272000
QUANTITY-FUEL		TANK-ENGINE-INSTRUMENTATION	AIR	12.3317	16.3279	1100	-1.8651	63	1198 41274000
QUANTITY-FUEL		TANK-ENGINE-INSTRUMENTATION	AIR	13.3495	17.7914	1100	-1.648	63	1114 41276000
QUANTITY-FUEL		TANK-ENGINE-INSTRUMENTATION	AIR	19.3347	21.9441	4800	-5.5858	65	1198 41278000
QUANTITY-FUEL		TANK	AIR	27.7039	38.4695	2842	-61363	64	1179 41280000
QUANTITY-FUEL		R/H-REAR-AFT-FUSELAGE	AIR	33.6927	131.034	6080	-02968	63	1123 41282000A
QUANTITY-FUEL			AIR	75.9013	87.9762	4896	-1.054	61	1080 41284000A
QUANTITY-FUEL		TANK-ENGINE-INSTRUMENTATION	AIR	88.5478	94.7	4896	-4.235	63	1114 41286000

NOVEL ELECTRONIC PART FAILURE RATE DATA

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JANUARY 1968

HOME ELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, CHIEFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

PART CLASS	501 PROPELLERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
.00 M.O.C.									
ASSEMBLY		POWER-PLANT	AIR	331.9	409.492	126	.21397	65	1153 41319000
ASSEMBLY			AIR	429.664	471.276	400	.46548	65	1198 41320000
ASSEMBLY			AIR	809.644	863.226	200	.90763	65	1198 41322000
ASSEMBLY			AIR	1433.12	1519.93	200	.33912	63	1198 41324000
ENGINE			GRD	913.242	2430.27		.00219	62	213 41326000
HYDROMATIC			AIR	516.129	653.715	272	.062	63	1114 41328000
HYDROMATIC			AIR	779.036	842.157	408	.353	63	1114 41330000
HYDROMATIC			AIR	1494.98	1569.61	200	.299	63	1114 41332000

ROSC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS 582 PUCKS

PART DESCRIPTION

.00 N.E.C.

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF  
LIMIT

PART POPU-  
LATION

PART HOURS

VR OF DATA

CROSS INDEX  
RPT SACE REF NO

BRAKE-HYDRAULIC-LANDING-GEAR	AIR	0	1.69743	800	1.3565	63	1198	41334000
BRAKE-HYDRAULIC-LANDING-GEAR	AIR	.244239	.957795	1600	4.0611	65	1198	41334000
BRAKE-HYDRAULIC-LANDING-GEAR	AIR	.354233	1.37786	3264	2.623	63	1114	41338000
BRAKE-HYDRAULIC-LANDING-GEAR	AIR	2.41882	3.81481	3200	3.7239	65	1198	41340000
BRAKE-HYDRAULIC-LANDING-GEAR	AIR	8.0808	16.1485	2174	.495	63	1114	41342000
BRAKE-DISK-SPL-ADJUST-ROTARY-WING-HEAD	HELI	121.495	177.177	151	.107	65	1227	41344000A



KOML AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1964

PART CLASS	REF PYLONS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	PART HOURS	YR OF DATA	INDEX
PART DESCRIPTION								RPT SPACE	REF NO
-60 N-8-C-									
STRUCTURAL VENT		EXTERNAL-TANK-FUEL-SYSTEM	AIR	0	9.89344	200	.23274	63	1198 41340000
		WING-CENTER-SECTION	AIR	0	764.983		.00321	63	1123 41348000
		WING	AIR	18.237	40.6127	304	.1645	62	1240 41350000
		WING	AIR	20.2265	53.8258	192	.09888	65	1277 41352000
		EXTERNAL-TANK-FUEL-SYSTEM	AIR	53.0785	83.7815	100	.16956	63	1198 41344000
		MISSILE-L/H	MULTI	100.044	186.668		.04968	63	1123 41356000
		TAIL	AIR	665.066	961.503	120	.03	65	1275 41358000
		FWD/AFT-COMPARTMENT-FUEL-SYSTEM	AIR	0	13.5798	100	.16956	63	1198 41360000

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	584 PULLEYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS REF NO
PART DESCRIPTION								RPT SRC	
.00 N-6-C.									
WING-FLAP-SYSTEM			AIR	0	93.1472	8	.02472	65	1227 41362000
COUNTERBALANCE-DOOR-MECHANICAL			AIR	0	13.9975	304	.1645	64	1250 41364000
PERSONNEL-CARGO-COMPARTMENT									
RUDDER-ASSEMBLY			AIR	0	1.16392	1700	1.5783	65	1198 41366000
RUDDER-ASSEMBLY			AIR	0	10.0752	946	.22854	65	1228 41368000
RELEASE-EMERGENCY-MAIN-LANDING-GEAR			AIR	0	6.99878	608	.329	66	1250 41370000
PITCH-TRIM-ACTUATOR			AIR	0	53.0719	48	.02474	65	1227 41372000
ELEVATOR-ASSEMBLY			AIR	0	53.1472	48	.02472	65	1227 41374000
ELEVATOR-SYSTEM-APCS			AIR	0	55.9834	76	.04113	66	1250 41376000
ENGINE-CONTROLS			AIR	0	93.1472	48	.02472	65	1227 41378000
WING-FLAP-ASSEMBLY			AIR	0	1.94001	700	1.1869	63	1198 41380000
RUDDER-CONTROL-SYSTEM			AIR	0	55.9834	76	.04113	66	1250 41382000
LANDING-GEAR-MAIN			AIR	0	5.03763	1992	.4508	65	1228 41384000
DRIVE-CANOPY-INSTRUCTOR			AIR	0	10.0752	946	.22854	65	1228 41386000
DOOR-HYDRAULIC-AFT-CARGO			AIR	0	2.2679	400	1.0193	66	1198 41388000
ENGINE-CONTROLS			AIR	0	55.9834	76	.04113	66	1250 41390000
RUDDER-CONTROL-SYSTEM			AIR	0	93.1472	48	.02472	65	1227 41392000
ELEVATOR-ASSEMBLY			AIR	0	55.9834	76	.04113	66	1250 41394000
RUDDER-ASSEMBLY			AIR	0	1.0673	550	2.1574	65	1198 41396000
WING-FLAP-ASSEMBLY			AIR	0	1.52207	1300	1.5128	65	1198 41398000
AILERON-SYSTEM-AUTO-FLIGHT-CONTROL			AIR	0	93.1472	48	.02472	65	1227 41400000
ELEVATOR-SYSTEM-APCS			AIR	0	93.1472	48	.02472	65	1227 41402000
COUNTERWEIGHT-DOOR-MECHANICAL			AIR	0	4.94672	400	.46548	65	1198 41404000
PARATR00P									
ELEVATOR-ASSEMBLY			AIR	.46351	1.23347	1200	4.3149	65	1198 41406000
WING-FLAP-ASSEMBLY			AIR	.606134	2.35768	650	1.6498	65	1198 41408000
ELEVATOR-ASSEMBLY			AIR	.666647	1.7741	3468	3	63	1114 41410000
DOOR-HYDRAULIC-AFT-CARGO			AIR	.842531	3.27719	700	1.1869	63	1198 41412000
WING-FLAP-ASSEMBLY			AIR	.87184	3.39119	1326	1.147	63	1114 41414000
DOOR-HYDRAULIC-AFT-CARGO			AIR	.953209	3.708	700	1.049	63	1114 41416000
LANDING-GEAR-MAIN			AIR	.965931	3.75562	2388	1.0357	67	1272 41418000
AILERON-SYSTEM			AIR	.961339	2.20809	2400	3.0256	65	1198 41420000
ELEVATOR-ASSEMBLY			AIR	1.01096	2.0203	3400	3.9566	65	1198 41422000
AILERON-SYSTEM			AIR	1.30775	2.51229	2652	2.294	63	1114 41424000
RUDDER-ASSEMBLY			AIR	1.41542	3.15206	1250	2.1195	63	1198 41426000
AILERON-SYSTEM			AIR	1.81851	3.19212	1300	3.2994	65	1198 41428000
COUNTERWEIGHT-DOOR-MECHANICAL			AIR	1.96993	7.06247	200	.50763	65	1198 41430000
PARATR00P									
COUNTERWEIGHT-DOOR-MECHANICAL			AIR	2.83286	11.0189	408	.353	63	1114 41432000
PARATR00P									
RUDDER-CONTROL-SYSTEM			AIR	2.89659	6.45051	1194	1.0357	67	1272 41434000
BRAKE-CONTROL-LANDING-GEAR			AIR	2.9488	11.4699	200	.3912	63	1198 41436000
ELEVATOR-ASSEMBLY			AIR	3.42452	5.40542	1550	2.6281	63	1198 41438000
THRUSTLE-CONTROL			AIR	3.86212	7.71801	1194	1.0357	67	1272 41440000
BRAKE-CONTROL-LANDING-GEAR			AIR	3.93987	10.4846	200	.50763	65	1198 41442000

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 584 PULLEYS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX RPT SRCE REF NO
BRAKE-CONTROL-LANDING-GEAR	AIR	4.29387	11.4246	469	.46578	65	1198	414440000
THROTTLE-CONTROL	AIR	4.3756	17.0197	946	.22854	65	1228	414460000
DRIVE-CANOPY-STUDENT	AIR	4.3756	17.0197	946	.22854	65	1228	414480000
RELEASE-EMERGENCY-MAIN-LANDING-GEAR	AIR	5.05919	15.6787	384	.19766	63	1114	414500000
STEERING-LANDING-GEAR	AIR	5.37634	20.9123	816	.186	63	1114	414520000
STEERING-LANDING-GEAR	AIR	5.66801	9.53109	1428	1.235	63	1114	414540000
DRIVE-CANOPY-STUDENT	AIR	5.79318	10.169	1194	1.0357	67	1272	414560000
DRIVE-CANOPY-INSTRUCTOR	AIR	5.79318	10.169	1194	1.0357	67	1272	414580000
COUNTERWEIGHT-DOOR-MECHANICAL	AIR	5.89761	22.9395	100	.16956	63	1198	414600000
PARATROOP	AIR	6.7114	26.1053	100	.149	63	1114	414620000
COUNTERWEIGHT-DOOR-MECHANICAL	AIR	6.7114	26.1053	100	.149	63	1114	414620000
PARATROOP	AIR	9.30598	13.5753	1280	1.3952	65	1198	414640000
STEERING-LANDING-GEAR	AIR	10.1132	39.3575	192	.09888	65	1227	414660000
THROTTLE-CONTROL	AIR	11.4377	30.3576	912	.17532	64	1179	414680000
RELEASE-ALTERNATE-SYS-LANDING-GEAR	AIR	11.4077	44.3725	406	.08766	64	1179	414700000
STEERING-LANDING-GEAR	AIR	12.158	32.3544	304	.1345	66	1250	414720000
STEERING-LANDING-GEAR	AIR	12.9453	17.1403	700	1.7757	63	1198	414740000
DRIVE-TRANSFER-CASE-GENERATOR	GRD	16.20744	65.0421	15	.06174	66	1255	414760000
(M-FILES)								
COUNTERBALANCE-DOOR-MECH-PERSONNEL	AIR	20.2265	53.6258	192	.09889	65	1227	414780000
C-C								
ENGINE-CONTROLS	AIR	22.7272	60.4806	502	.088	63	1114	414800000
ENGINE-CONTROLS	AIR	23.6307	52.642	50	.12691	65	1198	414820000
PITCH-TRIM-ACTUATOR	AIR	24.3131	94.5708	76	.04113	66	1250	414840000
AILERON-SYSTEM-APCS	AIR	24.5831	94.5708	76	.04113	66	1250	414860000
STEERING-LANDING-GEAR	AIR	24.7702	33.2444	500	.64779	53	1198	414880000
STEERING-LANDING-GEAR	AIR	26.7022	36.1082	500	.749	63	1114	414900000
AILERON-SYSTEM-FLIGHT-CONTROL	AIR	28.5192	52.9014	812	.17532	64	1179	414920000
AILERON-SYSTEM-FLIGHT-CONTROL	AIR	30.6292	51.9047	946	.22854	65	1228	414940000
FAN-ENGINE-(M-FILES)	GRD	32.41494	54.26094	15	.06174	66	1255	414960000
ENGINE-CONTROLS	AIR	34.3731	68.6908	100	.11537	63	1198	414980000
AILERON-SYSTEM-FLIGHT-CONTROL	AIR	38.4212	47.6873	1194	1.0357	67	1272	415000000
DRIVE-ALTERNATOR-(M-FILES)	GRD	46.62234	108.2784	15	.06174	66	1255	415020000
WING-FLAP-SYSTEM	AIR	48.6263	129.401	76	.04113	66	1250	415040000
AILERON-SYSTEM-FLIGHT-CONTROL	AIR	80.9041	215.303	48	.02472	65	1227	415060000
AILERON-SYSTEM-FLIGHT-CONTROL	A22	145.078	256.068	76	.04113	66	1250	415080000
WING-SPOILER-SYSTEM	AIR	170.192	286.187	76	.04113	66	1250	415100000
ENGINE-CONTROLS	AIR	213.333	299.354	50	.075	63	1114	415120000
ENGINE-CONTROLS	AIR	224.109	305.526	50	.08478	63	1198	415140000
WING-SPOILER-SYSTEM	AIR	242.718	426.055	48	.02472	65	1227	415160000

.00 N.O.I.

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1964

PART CLASS	386 RACKS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART NUMBER	DATA INDEX	CROSS REF NO
PART DESCRIPTION								
.00 N-G.C.								
AVIONICS-EQUIPMENT-FUSELAGE-FORWARD-AIR			AIR	0	55.9834	76	64 1250	41518000
NOSE								
AVIONICS-EQUIP-FUSELAGE-FORWARD-NOSE			AIR	0	93.1472	48	65 1227	41320000
BATTERY-DC-POWER-SUPPLY			AIR	0	96.4641	62	63 1117	41522000
PLENUM-COMM/IO/NAV-SYSTEM			SIM CRD AIR	0	97.9201	185	64 1761	41524000A
ELECTRICAL-EQUIPMENT-FUSELAGE-FORWARD-NOSE			AIR	0	95.9834	76	64 1250	41526000
CLUSTER-BOMB-NAVIGATION-SYSTEM			AIR	0	192.047	31	63 1111	41528000
CONTROL-COMPUTER-GROUP-ASC-19-FIRE-CONTROL			AIR	0	192.047	31	63 1111	41530000
FIRE-CONTROL-SIGHT			SIM CRD AIR	0	82.9765	195	64 1181	41332000A
ELECTRICAL-EQUIP-FUSELAGE-FORWARD-NOSE			AIR	0	93.1472	48	65 1227	41334000
SUPPORT-INJECTOR-CONTROL-(IN-MILES)			CRD	8.1103M	31.9464M	30	64 1255	41534000
EJECTOR			AIR	71.4285	125.382		59 1070	41538000
ELECTRONIC-EQUIPMENT-COMMAND-SYSTEM			CRD	126.582	492.347		62 1135	41540000
EQUIPMENT-FIRE-CONTROL-SYSTEM			AIR	167.904	445.753	31	63 1111	41542000
BOMB-BOMB-NAVIGATION-SYSTEM			AIR	1047.33	1370.38	82	63 1111	41544000
EQUIPMENT-FLIGHT-CONTROL/MEASUREMENT			AIR	1498.12	2593.83	36	66 1256	41546000A
EJECTOR-BOMB-WING-PYLON-AERO-27A			AIR	1872.65	3473.67	36	66 1256	41548000A
EQUIPMENT-AUTO-DIRECTION-FINDER			AIR	2617.8	2986.24	36	66 1256	41550000
EQUIPMENT-FLIGHT-CONTROL/MEASUREMENT			AIR	2621.72	4408.57	36	66 1256	41552000A
TACAN			AIR	2621.72	4408.57	36	66 1256	41554000A
COMPASS			AIR	4494.38	6459.75	36	66 1250	41556000A
AMPLIFIER			AIR	70			66 2300	41558000
COMPASS			AIR	180			66 2300	41560000
COMPASS-0-720			AIR	220			66 2300	41562000
LEFT-HAND-FORWARD			AIR	5992.5	8408.83	36	66 1256	41564000A
PORTABLE-AUX			AIR	95.6937	372.22	50	63 1198	41566000
PORTABLE-AUXILIARY			AIR	111.111	432.188	50	63 1114	41568000
RIGHT-HAND-FORWARD			AIR	3370.78	5320.59	36	66 1256	41570000A
STORAGE			AIR	0	220.344	50	63 1198	41572000
TIE-DOWN-STORAGE			AIR	0	3.46793	528	65 1227	41574000
TIE-DOWN-STORAGE			AIR	0	5.08974	836	66 1250	41576000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	507 RECORDERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	GROSS DATA INDEX
PART DESCRIPTION								RPT	SOURCE REF NO
.00 N.O.C.									
ANALOG 8-CHANNEL CHART									
COCKPIT-VOICE		AIRBORNE-FLIGHT-SYSTEM	AIR	384.612	1494.03	30	.6026	65	1246 415120000
COCKPIT-VOICE		AM/ASQ-10-MAGNETIC-ANOMALY-DETECTOR	AIR	972.526	1200.83	76	.04113	66	1250 415000000
COCKPIT-VOICE		AIRBORNE-FLIGHT-SYSTEM	AIR	1703.3	1923.38	48	.06869	64	1162 415820000
COCKPIT-VOICE		CONTROL-RADAR-C-6068	AIR	2427.18	2680.21	48	.02472	64	1179 415840000
DATA			AIR	3060	5266.05		.002	66	1241 415860000
DATA-SIGNAL			LAB	209.499	249.351	76	.27685	65	1222 415880000
DIGITAL			AIR	0	3198.05		.00072	62	2700 415900000
MOBILE-INSPECTION-UNIT									
EVENT-103-CHANNEL			AIR	0	83.488		.02758	66	2131 415920000
EVENT-32-CHANNEL			AIR	0	388.952		.00592	66	2132 415940000
FLIGHT			AIR	152.609	408.778		.01362	66	2133 415960000
FLIGHT			AIR	193.548	335.745		.03100	66	2134 415980000
FLIGHT			AIR	349.395	459.798	48	.06839	64	1162 416000000
FLIGHT			AIR	120.762	173.622		.11593	66	1241 416020000
FLIGHT			AIR	161.897	188.786	1892	.45708	65	1228 416040000
INSTRUMENTS-707-131B									
FLIGHT			LAB	53.0785	104.071	20	.07534	65	1222 416060000
FLIGHT			LAB	259.811	354.198	20	.07313	65	1222 416080000
FLIGHT			AIR	280P				66	2361 416100000
FLIGHT			AIR	340P				65	2362 416120000
FLIGHT			AIR	340P				65	2361 416140000
FLIGHT			AIR	400P				66	2362 416160000
FLIGHT			AIR	440P				65	2359 416180000
FLIGHT			AIR	490P				66	2361 416200000
FLIGHT			AIR	490P				66	2362 416220000
FLIGHT			AIR	490P				66	2362 416240000
FLIGHT			AIR	530P				65	2363 416260000
FLIGHT			AIR	530P				65	2364 416280000
FLIGHT			AIR	530P				66	2364 416300000
FLIGHT			AIR	560P				66	2363 416320000
FLIGHT			AIR	580P				66	2361 416340000
FLIGHT			AIR	600P				66	2364 416360000
FLIGHT			AIR	630P				66	2363 416380000
FLIGHT			AIR	670P				66	2365 416400000
FLIGHT			AIR	690P				66	2364 416420000
FLIGHT			AIR	700P				66	2361 416440000
FLIGHT			AIR	720P				66	2361 416460000
FLIGHT			AIR	790P				66	2362 416480000
FLIGHT			AIR	810P				66	2361 416500000
FLIGHT			AIR	840P				66	2365 416520000
FLIGHT			AIR	350P				66	2361 416540000
FLIGHT			AIR	860P				66	2364 416560000
FLIGHT			AIR	930P				66	2364 416580000
FLIGHT			AIR	940P				66	2362 416600000
FLIGHT			7.8	940P				66	2363 416620000
FLIGHT			AIR	940P				66	2365 416640000

ARMC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION 1  
 FAILURE RATE DATA  
 JANUARY 1964

PART CLASS	507 RECORDERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART TYPE	PART NUMBER	YR	CROSS REF DATA
PART DESCRIPTION									
.00 N.O.C.									
FLIGHT	INSTRUMENTS. 331C/373C	AIR	960P					66	2340 41640000
FLIGHT	INSTRUMENTS. 707-331B	AIR	1090P					65	2342 41640000
FLIGHT	INSTRUMENTS. 727	AIR	1110P					66	2340 41670000
FLIGHT	INSTRUMENTS. 707-131	AIR	1130P					66	2344 41670000
FLIGHT	INSTRUMENTS. 707-131	AIR	1140P					66	2341 41674000
FLIGHT	INSTRUMENTS. 707-131	AIR	1140P					66	2342 41676000
FLIGHT	INSTRUMENTS. 800	AIR	1170P					66	2343 41678000
FLIGHT	INSTRUMENTS. 800	AIR	1210P					66	2345 41680000
FLIGHT	INSTRUMENTS. 727	AIR	1310P					66	2340 41682000
FLIGHT	INSTRUMENTS. 707-131B	AIR	1350P					66	2342 41684000
FLIGHT	INSTRUMENTS. 707-131B	AIR	1470P					66	2342 41684000
FLIGHT	INSTRUMENTS. 331C/373C	AIR	1530P					65	2343 41685000
FLIGHT	INSTRUMENTS. 331C/373C	AIR	1690P					65	2343 41685000
FLIGHT	INSTRUMENTS. 727	AIR	1740P					66	2343 41692000
FLIGHT	INSTRUMENTS. 800	AIR	1820P					66	2343 41694000
FLIGHT	INSTRUMENTS. 331C/373C	AIR	2000P					66	2340 41694000
FLIGHT	INSTRUMENTS. 727	AIR	2350P					66	2345 41694000
FLIGHT	INSTRUMENTS. 727	AIR	3350P					65	2345 41700000
FLIGHT	INSTRUMENTS. 727	AIR	3750P					65	2343 41702000
FLIGHT	INSTRUMENTS. 727	AIR	4120P					65	2340 41704000
FLIGHT-DATA		AIR	337.837		899.037			66	2132 41704000
FLIGHT-DATA		AIR	537.634		904.962			66	2133 41704000
FLIGHT-DATA		AIR	943.872		772.023			66	2131 41710000
FLIGHT-DATA		AIR	741.935		982.364			66	2134 41712000
OSCILLOGRAPH-VARIABLE-SPEED. 36-CHANNEL. 10V		LAB	135.593		340.833	4		65	1222 41714000
SOUND		AIR	1470.58		1935.24			66	1241 41714000
SOUND		AIR	1472.35		1937.64			66	1263 41718000
TAPE	PA. SYSTEM	AIR	2590					66	2340 41720000
TIME/TEMPERATURE		AIR	33.7819		39.58	2388		67	1272 41722000
TIME/TEMPERATURE	ENGINE-INSTRUMENT	AIR	161.897		186.786	1872		65	1228 41724000
TIME/TEMPERATURE		AIR	510.495		562.952	1624		62	1741 41724000
VOICE	COMMUNICATIONS. 707-131	AIR	230P					66	2341 41726000
VOICE	COMMUNICATIONS. 707-331B	AIR	410P					66	2341 41730000
VOICE	COMMUNICATIONS. 800	AIR	450P					66	2340 41732000
VOICE	COMMUNICATIONS. 707-131B	AIR	460P					66	2341 41734000
VOICE	COMMUNICATIONS. 707-331	AIR	530P					66	2341 41736000

.55 TAPE, MULTIPLE CHANNEL, MAGNETIC

REPRODUCERS. 7-CHANNEL. 4590

22435.8 20122.7 12 .00196 29 1222 41738000

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

PART CLASS 500 RADIATORS

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 M.O.C.

TRANSMITTER-ALT-68  
ENGINE-(M-PILES)  
ENGINE-(M-PILES)

COOLING  
COOLING  
PLATE/FIN-TRANSMISSION-OIL-  
AIR/OIL

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
AIR	0	192.847	31	.01194	63	1111 41740000
GRD	16.2074M	63.0421M	15	.0917M	66	1255 41742000
GRD	48.6223M	108.278M	15	.0617M	66	1255 41744000
MELT	102.803	155.122	151	.107	66	1234 41746000A

ROBE AIR DEVELOPMENT CENTER, CAIFFISS APB, N.Y.  
SECTION I FAILURE RATE DATA

MODEL CYCLOMIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	509 RADOMES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								DEPT	SRCE REF NO
-00 N-6-C.									
FIRE-CONTROL-TOSI-BOMB-SYSTEM									
AN/APN-6			SIM GAD AIR		82.9765	194	.02773	64	1181 41740000A
			AIR		220.344	50	.01045	63	1198 41750000
			LAB	3				63	1138 41752000
DOPPLER-RADAR-AN/APN-147			AIR	31.5183	62.9899	50	.12691	63	1198 41754000
DOPPLER-RADAR-AN/APN-147			AIR	48.6263	129.401	76	.04113	64	1250 41756000A
DOPPLER-RADAR-AN/APN-147			AIR	68.7462	111.647	106	.11637	63	1198 41758000
DOPPLER-RADAR-AN/APN-147			AIR	121.359	270.258	49	.02472	65	1227 41760000
NAVIGATION-707-1318			AIR	130P				64	2364 41762000
NAVIGATION-707-1318			AIR	130P				64	2362 41764000
NAVIGATION-707-1318			AIR	140P				65	2364 41766000
NAVIGATION-707-3310			AIR	140P				64	2361 41768000
NAVIGATION-707-3318			AIR	140P				64	2361 41770000
NAVIGATION-707-1318			AIR	160P				65	2362 41772000
DOPPLER-NAVIGATION-SYSTEM			SIM GAD AIR	165.425	440.223	195	.01209	64	1181 41774000A
MOSE-CONE-FIREGLASS-FINE-CONTROL			AIR	185.873	271.06		.06994	63	1123 41776000
NAVIGATION-707-131			AIR	230P				64	2361 41778000
NAVIGATION-707-3318			AIR	240P				64	2362 41780000
NAVIGATION-707-331			AIR	260P				64	2361 41782000
NAVIGATION-707-3318			AIR	280P				64	2362 41784000
NAVIGATION-707-131			AIR	300P				65	2362 41786000
ANTENNA-AN/APN-52-UMF-COMMUNICATION-SYSTEM			AIR	302.164	304.306	63	.1026	64	1148 41788000
SEARCH-RADAR-AN/APN-59									
NAVIGATION-707-331			AIR	323.624	525.675	48	.02472	65	1227 41790000
SEARCH-RADAR-AN/APN-59			AIR	340P				64	2362 41792000
SEARCH-RADAR-AN/APN-59			AIR	400	702.14	68	.015	63	1114 41794000
NAVIGATION-707-3318			AIR	437.636	601.903	76	.04113	64	1250 41796000A
NAVIGATION-707-131			AIR	530P				65	2362 41798000
SEARCH-RADAR-AN/APN-42			AIR	550P				65	2364 41800000
SEARCH-RADAR-AN/APN-42			AIR	719.424	1437.68	50	.00556	63	1198 41802000
NAVIGATION-707-3318			AIR	800	1598.71	50	.005	63	1114 41804000
MOSE-ASSEMBLY			AIR	850P				65	2364 41806000
SEARCH-RADAR-AN/APN-59			GRD	886.875	1489.98		.0079	62	1135 41808000
SEARCH-RADAR-AN/APN-59			AIR	1203.05	1344.12	100	.11637	65	1198 41810000
SEARCH-RADAR-AN/APN-59			AIR	2488.79	2723.85	50	.00478	63	1198 41812000
SEARCH-RADAR-AN/APN-59			AIR	2489.95	2679.22	50	.12491	65	1198 41814000
SEARCH-RADAR-AN/APN-59			AIR	2511.36	2762	102	.008	63	1114 41816000
SEARCH-RADAR-AN/APN-59			AIR	2785.78	3059.17	50	.070	63	1114 41818000
ASSEMBLY			AIR	27.7829	61.8707	63	.10798	65	1155 41820000
ASSEMBLY			AIR	55.5555	97.5194		.108	63	2108 41822000



ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS 591 RAFTS		NONELECTRONIC PART FAILURE RATE DATA										JANUARY 1946	
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 99 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX					
.00 M.O.C.													
LIFE	SURVIVAL-EQUIPMENT	AIR	0	0.99878	608	.329	66	1250	41824000				
LIFE	SURVIVAL-EQUIPMENT	AIR	0	152.847	31	.91194	63	1111	41824000				
LIFE	SURVIVAL-EQUIPMENT	AIR	15.1699	33.7823	304	.19778	65	1227	41828000				
LIFE	SURVIVAL-EQUIPMENT	AIR	57.1282	73.2787	200	.50763	65	1198	41830000				
LIFE	SURVIVAL-EQUIPMENT	AIR	82.1529	105.378	408	.343	63	1114	41832000				
LIFE	SURVIVAL-EQUIPMENT	AIR	88.4642	112.983	200	.33912	63	1198	41834000				
LIFE	SURVIVAL-EQUIPMENT	AIR	100.334	128.144	200	.299	63	1114	41836000				
LIFE	SURVIVAL-EQUIPMENT	AIR	120.305	143.046	400	.46548	65	1198	41838000				

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS 542 NAILS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LMT	PART LATION	PART HOURS	VR OF RPT SINCE REF NO	CROSS INDEX
RESTRAINT	SUN-VISOR-FLIGHT-DECK	AIR	0	13.9975	504	.1645	66	1250 41844000
RESTRAINT	SUN-VISOR-FLIGHT-DECK	AIR	0	23.2848	192	.09888	65	1227 41842000
	AIR-ORGP-SYSTEM	AIR	2.02265	7.86751	926	.4944	65	1227 41844000
	AIR-ORGP-SYSTEM	AIR	2.53131	6.47009	1520	.8226	66	1250 41844000

.00 M.G.C.



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA  
JANUARY 1968

PART CLASS	553 REFRIGERATION DEVICES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
-00 N.O.C.									
UNITS	AIR-CONDITIONER-CARGO-COMPARTMENT	AIR	8.59328	33.4252	100	-11637	65	1198	41930000
UNITS	AIR-CONDITIONER-PILOT	AIR	20.446	30.8515	424	-536	64	1266	41940000A
UNITS	AIR-CONDITIONER-CARGO-COMPARTMENT	AIR	23.5904	62.7777	50	-06678	63	1198	41942000
UNITS	AIR-CONDITIONER-FLIGHT-DECK	AIR	26.6666	70.964	50	-075	63	1114	41944000
UNITS	AIR-CONDITIONER	AIR	26.6666	70.964	50	-075	63	1114	41944000
UNITS	AIR-CONDITIONER	AIR	30.6748	56.9	96	-163	61	1083	41948000
UNITS	AIR-CONDITIONER	AIR	40.453	107.651	96	-04944	65	1227	41950000
UNITS	AIR-CONDITIONER	AIR	49.6263	97.1742	152	-08224	65	1250	41952000
UNITS	AIR-CONDITIONER	AIR	250	556.733	31	-012	63	1111	41954000
UNITS	AIR-CONDITIONER	AIR	8499.23	9629.28	96	-01306	66	1240	41956000A

JANUARY 1962

NON-ELECTRONIC PART FAILURE RATE DATA

NOPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

PART CLASS 554 RAMP

PART DESCRIPTION FUNCTIONAL APPLICATION

-UC No. 6-6-

DOOR-HYDRAULIC  
DOOR-HYDRAULIC

AUX-CARGO-COMPARTMENT  
AUXILIARY-CARGO-COMPARTMENT

CARGO  
LOADING-GROUND  
LOADING-GROUND

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPUL- ATION	PART HOURS	VR OF DATA INDEX RPT SRCE REF NO	CROSS
AIR	11.7952	45.8794	50	-08478	63	1108 41958000
AIR	13.3333	51.8626	50	-075	63	1114 41960000
AIR	0	55.9834	76	-04113	66	1250 41962000
AIR	0	97.1472	48	-02472	65	1227 41964000
AIR	0	46.5736	96	-04944	63	1227 41966000
AIR	24.3131	64.7009	152	-08226	66	1250 41968000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	555 REGULATORS, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
.00 ELECTRICAL, M.G.L.									
CABIN-TEMPERATURE	(STORAGE)	AIR-CONDITIONING-707-131	MSL	.01				65	2449 41570000
CABIN-TEMPERATURE		AIR-CONDITIONING-727	AIR	110P				66	2364 41972000
CABIN-TEMPERATURE		AIR-CONDITIONING-331C/373C	AIR	370P				66	2360 41974000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331B	AIR	460P				65	2360 41974000
CABIN-TEMPERATURE		AIR-CONDITIONING-727	AIR	580P				66	2364 41975000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	610P				65	2365 41980000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-131	AIR	670P				66	2364 41982000
CABIN-TEMPERATURE		AIR-CONDITIONING-331C/373C	AIR	681P				65	2364 41984000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-131	AIR	730P				65	2365 41986000
CABIN-TEMPERATURE		AIR-CONDITIONING-331C/373C	AIR	750P				66	2365 41990000
CABIN-TEMPERATURE		AIR-CONDITIONING-727	AIR	860P				66	2365 41992000
CABIN-TEMPERATURE		AIR-CONDITIONING-331C/373C	AIR	940P				66	2360 41992000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-131B	AIR	980P				65	2364 41994000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331B	AIR	1020P				65	2364 41994000
CABIN-TEMPERATURE		AIR-CONDITIONING-727	AIR	1100P				66	2364 41994000
CABIN-TEMPERATURE		AIR-CONDITIONING-727	AIR	1210P				65	2380 41998000
CABIN-TEMPERATURE		AIR-CONDITIONING-331C/373C	AIR	1250P				66	2365 42000000
CABIN-TEMPERATURE		AIR-CONDITIONING-331C/373C	AIR	1260P				66	2365 42002000
CABIN-TEMPERATURE		AIR-CONDITIONING-727	AIR	1290P				66	2360 42004000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-131B	AIR	1310P				66	2364 42008000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-131	AIR	1340P				66	2364 42010000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331B	AIR	1480P				65	2364 42012000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-131B	AIR	1670P				66	2364 42014000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	1700P				65	2364 42016000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	1720P				66	2364 42018000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	1770P				66	2364 42020000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	310P				66	2364 42020000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	340P				66	2364 42024000
CABIN-TEMPERATURE		AIR-CONDITIONING-707-331	AIR	620P				65	2364 42026000
COCKPIT-AIR-PRESSURE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR	0	12.4516	49	.182	62	1093 42028000
COCKPIT-AIR-PRESSURE		BOMBING-NAVIGATION-COMPUTER-ASRY	SIM GRD AIR	0	12.3133	50	.187	62	1093 42030000
DIFFERENTIAL-PRESSURE		AN/ASG-27	AIR	0	115.17	139	.02	63	1117 42032000
VOLTAGE		MAGNETIC-AMP	AIR	0	64.3004	93	.03591	63	1111 42034000
VOLTAGE		MAGNETIC-AMP	AIR	0	575.65	1	.004	62	1093 42036000
VOLTAGE		ELECTRICAL-POWER-707-131B	SIM GRD AIR	0	127.922	278	.018	63	1117 42038000
VOLTAGE		ELECTRICAL-POWER-707-131B	AIR GND	0	37.7474		.061	58	212 42040000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	LAB	0				63	1138 42042000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR	25				61	1068 42044000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR	30P				65	2361 42046000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR	30P				66	2364 42048000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	SIM GRD AIR	36.036	140.159	195	.02775	64	1181 42050000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR GND	37.037	74.0143		.106	57	212 42052000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR	37.5023	74.9442	189	.10666	64	1146 42054000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	SIM GRD AIR	39.9201	155.277	195	.02505	64	1181 42056000
VOLTAGE		FLIGHT-INDICATOR-SCOPE-RADAR	AIR	60P				66	2362 42058000

**NON-ELECTRONIC PARTY FAILURE RATE DATA**

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PART CLASS	SES REGULATORY, ELECTRICAL	UPPER	72AY	YR	CR-SS
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	90 CONF LIMIT	PART HOURS	RP DATA INDEX RPT SINCE REV NO
.00 ELECTRICAL, M.N.C.					
VOLTAGE	ELECTRICAL-POWER-351C/375C	AIR	540P	63 2363	42150000
VOLTAGE	AIR	AIR	608	61 212	42152000
VOLTAGE	AIR	AIR	609	57 211	42154000
VOLTAGE	ELECTRICAL-POWER-707-131	AIR	609P	65 2362	42156000
VOLTAGE	AIR	AIR	609P	63 2125	42158000
VOLTAGE	ELECTRICAL-POWER-707-331	AIR	903.263	66 2361	42160000
VOLTAGE	AIR	AIR	1070P	55 1870	42162000
VOLTAGE	AIR	AIR	1250	57 212	42164000
VOLTAGE-AC/DC.	AIR	AIR	1835.7	63 1132	42166000
TRANSISTORIZED MAIN	AIR	AIR	140.236	63 1123	42168000
VOLTAGE-AC/DC-EMERGENCY	AIR	AIR	1675.97	63 1132	42170000
VOLTAGE-AC/DC-EMERGENCY	AIR	AIR	732.29	61 1866	42172000
VOLTAGE-CARBON-PILE	AIR	AIR	767.533	63 1138	42174000
VOLTAGE-CARBON-PILE	LAG	AIR	9.65	61 1068	42176000
VOLTAGE-CARBON-PILE	AIR	AIR	500	61 1064	42178000
VOLTAGE-SOLID-STATE	AIR	AIR	52.6385	62 1135	42180000
VOLTAGE-400CPS	GRD	AIR	253.164	64 1257	42182000
WITH-RUN	HELI	AIR	92.1658	66 1257	42184000
400CPS-1800CPS.	HELI	AIR	654.624	66 1256	42186000
	AIR	AIR	6761.57	66 1256	42188000
.10 ELECTRICAL, A.C. LINE VOLTAGE					
AC-POWER-CONTROL	AIR	AIR	18.4059	61 1083	42190000
AC-POWER-CONTROL	AIR	AIR	32.3624	65 1227	42192000
REACTOR-LOOP	AIR	AIR	38.901	66 1250	42194000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	71.4285	61 1082	42196000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	83.732	63 1111	42198000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	90.909	63 1114	42200000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	108.225	65 1198	42202000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	142.857	59 1110	42204000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	159.707	64 1179	42206000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	163.265	63 1114	42208000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	192.265	65 1198	42210000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	196.002	67 1272	42212000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	200P	65 2330	42214000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	245.033	65 1228	42216000
TRACK-RADAR	AIR	AIR	250	63 1111	42218000
ELECTRICAL-SYSTEM	AIR	AIR	234.665	65 1155	42220000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	371.747	63 2114	42222000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	408.901	63 1198	42224000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	422.222	63 1114	42226000
AC-POWER-SUPPLY-SYSTEM	AIR	AIR	436.596	61 1084	42228000
MAIN-AC-GENERATOR	AIR	AIR	457.433	63 1123	42230000
FIELD-COIL, MAIN-AC-GENERATOR	AIR	AIR	478.632	63 1123	42232000



ROBE AIR DEVELOPMENT CENTER, GRAFFIUS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SEE REGULATORS, ELECTRICAL	ENVIRONMENT	FAILURE RATE	UPPER 95% CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION							
-10 ELECTRICAL, A.C. LINE VOLTAGE								
BRUSHLESS		AIR	509.259	577.305		.216	63	2119 42232000
CARBON-PILE		AIR	854.545	1037.55	320	.055	61	1080 42234000
MAGNETIC-AMP-GEN-OUTPUT		AIR		5354.88	5	.00043	63	1132 42234000
MAGNETIC-AMP-MAIN		AIR	494.559	917.378	45	.01011	63	1132 42238000
TRANSISTORIZED		AIR	133.511	919.319	82	.00749	63	1132 42240000
115V/2PCT		AIR		1545.36		.00149	63	1132 42242000
115VAC	GENERATOR	AIR	1448.04	2010.74	34	.01174	63	1132 42244000
		AIR	765.696	1179.68	84	.01306	64	1240 42246000A
		HELI	100	222.693	120	.03	65	1215 42248000
-20 ELECTRICAL, D.C. LINE VOLTAGE								
	HY-SUPPLY	AIR	71.4285	277.835		.014	61	1082 42250000
		AIR	53.3333	221.762	82	.024	63	1111 42252000
		AIR	196.319	248.728		.163	61	1082 42254000
		AIR	356.521	439.023		.115	61	1084 42256000
		AIR	1126.39	1187.24		.538	63	2114 42258000
		AIR		1545.36		.00149	63	1132 42260000
		SUB	508.235	1309.96	60	.0051	65	1246 42262000
	HA-1-POWER	AIR	5363.29	12251.3	36	.00267	64	1256 42264000A
	HA-1-POWER	AIR	4868.91	7100.35	36	.00267	64	1256 42266000A
	IMILESI	GRD	56.8298M	129.555M	15	.0617M	66	1255 42268000
	HA-1-POWER	AIR	2998.25	4866.92	36	.00267	64	1254 42270000A
	HA-1-POWER	AIR	2247.59	3944.6	36	.00267	64	1254 42272000A

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS	56 REGULATOR, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX REF NO
PART DESCRIPTION									
.00 FLUID, N.B.C.									
AIR-PRESS	CAMERA-VACUUM-SYSTEM	AIR	2.14	170.224	100	-02009	63	1198	42274000
AIR-PRESSURE	HEATER-AIR-CONDITIONING-SYSTEM	AIR	18.5219	49.2896	63	-10768	63	1138	42276000
ANTI-ICE-AIR	PROPELLER-ASSEMBLY	AIR	30.0744	43.2413	400	-44548	65	1159	42278000
CABIN-PRESSURE	PROPELLER-HYDROMATIC	AIR	48.367	107.754	272	-062	65	1198	42280000
CABIN-PRESSURE	PROPELLER-ASSEMBLY	AIR	96.5269	116.716	200	-50763	65	1114	42282000
CABIN-PRESSURE	PROPELLER-HYDROMATIC	AIR	101.983	127.416	406	-333	65	1198	42284000
CABIN-TEMPERATURE	PROPELLER-ASSEMBLY	AIR	306.676	348.925	200	-33912	63	1114	42286000
CABIN-TEMPERATURE	PROPELLER-HYDROMATIC	AIR	337.792	368.078	200	-299	63	1114	42288000
CABIN-TEMPERATURE	VACUUM/PRESSURE-CALIBRATION-RACK	GRD	476.19	1447.23		-0021	62	1141	42290000
CABIN-TEMPERATURE	PANEL-OXYGEN-SYSTEM	AIR	1125	145.56	112	-032	59	1110	42292000
CABIN-TEMPERATURE	CANDY SEAL	AIR	4200				62	1191	42294000
CABIN-TEMPERATURE	AIRBORNE-AUXILIARY-POWER-727	AIR	240P				66	2365	42296000
CABIN-TEMPERATURE	AIRBORNE-AUXILIARY-POWER-727	AIR	210P				66	2365	42300000
CABIN-TEMPERATURE	AIR-707-131B	AIR	20P				66	2364	42302000
CABIN-TEMPERATURE	AIR-CONDITIONING-88C	AIR	320P				65	2365	42304000
CABIN-TEMPERATURE	AIR-CONDITIONING-88C	AIR	600P				66	2345	42306000
CABIN-TEMPERATURE	AIR-CONDITIONING-88C	AIR	1270P				66	2345	42308000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-131	AIR	110P				66	2341	42310000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-331	AIR	200P				65	2341	42312000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-131	AIR	330P				66	2361	42314000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-131	AIR	390P				65	2361	42316000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-331B	AIR	490P				66	2361	42318000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-331	AIR	530P				66	2361	42320000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-131B	AIR	570P				65	2361	42322000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-131B	AIR	640P				65	2361	42324000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-331B	AIR	890P				66	2361	42326000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-331	AIR	970P				66	2361	42328000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-331B	AIR	1020P				65	2361	42330000
CABIN-TEMPERATURE	AIR-CONDITIONING-707-131B	AIR	1310P				66	2361	42332000
COCKPIT-AIR-PRESSURE	AIR-CONDITIONING-707-131B	AIR	230P				66	2361	42334000
COCKPIT-AIR-PRESSURE	AIR-CONDITIONING-707-131B	AIR	240P				66	2361	42336000
COCKPIT-AIR-PRESSURE	AIR-CONDITIONING-707-131	AIR	260P				65	2361	42338000
COCKPIT-AIR-PRESSURE	AIR-CONDITIONING-707-331	AIR	280P				66	2361	42340000
COCKPIT-AIR-PRESSURE	AIR-CONDITIONING-707-331B	AIR	530P				66	2361	42342000
CONSTANT-FLOW-OXYGEN	OXYGEN-707-131	AIR	140P				65	2364	42344000
CONSTANT-FLOW-OXYGEN	OXYGEN-707-331	AIR	160P				66	2364	42346000
CREW-COMP-OXYGEN	OXYGEN-707-131B	AIR	120P				66	2361	42348000
CREW-COMP-OXYGEN	OXYGEN-707-331B	AIR	140P				66	2361	42350000
CREW-COMP-OXYGEN	OXYGEN-707-131B	AIR	140P				66	2361	42352000
CREW-COMP-OXYGEN	OXYGEN-707-131B	AIR	140P				66	2364	42354000
CREW-COMP-OXYGEN	OXYGEN-707-331B	AIR	170P				66	2364	42356000
CREW-COMP-OXYGEN	OXYGEN-707-131B	AIR	270P				65	2361	42358000
CREW-COMP-OXYGEN	OXYGEN-707-331B	AIR	600P				65	2361	42360000
DEM-OXYGEN	OXYGEN-727	AIR	60P				66	2363	42362000

JANUARY 1968

MONOELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

PART CLASS	596 REGULATORS, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 60 COMP LIMIT	PART POPU- LATION	PART HOURS	VR OF DATA	CROSS INDEX
PART DESCRIPTION							RPT SRCE	REF NO
-00 FLUID, M.O.C.								
DEM-OXYGEN	OXYGEN-727		AIR	90P			65	2363 42344000
DEM-OXYGEN	OXYGEN-727		AIR	110P			66	2363 42346000
DEMAND-OXYGEN	OXYGEN-727		AIR	90P			66	2360 42368000
DEMAND-OXYGEN	OXYGEN-727		AIR	90P			66	2360 42370000
DEMAND-OXYGEN	OXYGEN-727		AIR	150P			65	2365 42372000
DEMAND-OXYGEN	OXYGEN-727		AIR	160P			66	2365 42374000
DEMAND-OXYGEN	OXYGEN-727		AIR	140P			65	2363 42376000
OIL-DEM-PRESS-331C	OXYGEN-331C/373C		AIR	50P			66	2364 42378000
OIL-DEM-PRESS-331C	OXYGEN-707-331B		AIR	170P			66	2364 42380000
OIL-DEM-PRESS-331C	OXYGEN-707-331B		AIR	230P			65	2364 42382000
OIL-DEM-PRESS-331C	OXYGEN-707-331B		AIR	50P			65	2362 42384000
OIL-DEM-PRESS-331C	OXYGEN-707-331B		AIR	60P			66	2362 42386000
OIL-DEM-PRESS-331C	OXYGEN-707-331B		AIR	100P			66	2362 42388000
OIL-DEM-PRESS-331C	OXYGEN-707-331B		AIR	130P			66	2362 42390000
OIL-DEM-PRESS-331C	OXYGEN-331C/373C		AIR	120P			65	2365 42392000
DILUTER-DEM-PRESSURE-331C			AIR	418.181	553.696	320	.055	61 1080 42394000
FEEL-FORCE-ELEVATOR			AIR	54.5454	121.469	320	.055	61 1080 42396000
FEEL-FORCE-RODGER			AIR	86.7052	193.066	40	.0346	66 1257 42398000
FUEL	ENGINE		HELL	236.779	527.292	40	.01267	66 1257 42400000
FUEL	ENGINE		HELL	713.785	840.384		.095	63 2120 42402000
FUEL			AIR	1157.89	1312.61		.095	63 2120 42404000
FUEL			AIR	.02P				65 2590 42406000
FUEL			AIR	.03P				65 2590 42408000
FUEL-OR-OIL-CONTROL			AIR	3.43P				65 2590 42410000
FUEL-OR-OIL-CONTROL			AIR					
FUEL-OR-OIL-CONTROL			AIR					
PRESSURE-REGULATOR			AIR					
GASPER-PRESSURE	AIR-CONDITIONING-707-131B		AIR	110P			66	2361 42412000
GASPER-PRESSURE	AIR-CONDITIONING-707-131B		AIR	130P			65	2361 42414000
MELTUM	LAB		LAB	2.03			63	1138 42416000
HYDRAULIC-TANK-AIR-PRESSURE	HYDRAULIC-POWER-331C/373C		AIR	480P			66	2360 42418000
INDUCTION	MISSILE-CONTROL-EQUIPMENT		GRD	69.93	272.806		.0143	62 1141 42420000
LIQUID-OXYGEN			AIR	485.185	525.849		.540	63 2104 42422000
ORP-OXYGEN	OXYGEN-707-331B		AIR	190P			66	2364 42424000
OXYGEN	PORTABLE-SYSTEM		AIR	1.8702	7.27434	968	.5347	66 1250 42426000
OXYGEN	OXYGEN-707-131B		AIR	70P			66	2362 42428000
OXYGEN	OXYGEN-707-131		AIR	120P			66	2362 42430000
OXYGEN	OXYGEN-707-331		AIR	170P			65	2362 42432000
OXYGEN	FLOW-INDICATOR		AIR	1702.1	1818.11	946	.27834	65 1228 42434000
OXYGEN			AIR	1900	2103.53	380	.04	61 1080 42436000
OXYGEN			AIR	2047.68	2193.24	812	.17532	64 1179 42438000
OXYGEN	PILOT-SUPPLY		AIR	2639.4	2731.22	424	.536	64 1264 42440000
OXYGEN			AIR	4589.47	4883.64		.095	63 2126 42442000
OXYGEN			AIR	5278.81	5407.69		.536	63 2112 42444000
OXYGEN			AIR	31000				62 1091 42446000
OXYGEN-DILUTER-DEMAND			AIR	1511.05	1561.14	1194	1.0357	67 1272 42448000

**JANUARY 1968**

001 130 3  
X3001  
55003

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

# NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

[illegible]

**-20- CUT OUT, OIL PRESSURE**

RESEARCH DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MODEL-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS 5% REGULATORS, FLUID

PART DESCRIPTION FUNCTIONAL APPLICATION

.40 GUT BUY, LOW TEMPERATURE

.50 FLUID, GAS, N.O.C.

GAS-2-STAGE

.60 FLUID, HYDRAULIC FLUID

CONTROL

CONTROL

CONTROL

CONTROL

CONTROL-LABEL-CHECK-VALVE

CONTROL-REDUCING-VALVE

CONTROL-FLOW-VALVE

CONTROL-FLOW-VALVE

CONTROL-PRESSURE-VALVE

CONTROL-RESTRICTOR

CONTROL-RESTRICTOR

CONTROL-RESTRICTOR

CONTROL-RESTRICTOR-FLOW

CONTROL-VALVE-PRESSURE

TANK-ATR-PRESSURE

HYDRAULIC-POWER-707-3310

.60 FLUID, PNEUMATIC

ENGINE-ANTI-ICE

GUN-TURNKEY-FIRE-CONTROL

ANTI-ICE-ING-AIR

ENGINE-ANTI-ICE

CHUCK-SEAL-PRESSURE

CHUCK-SEAL-PRESSURE

CONTROL-AIR-PRESSURE-AND-

FILTER

CONTROL-AIR-PRESSURE-AND-

FILTER

CONTROL-PRESSURE

CONTROL-PRESSURE

FAILURE RATE DATA

ENVIRONMENTAL RATE

UPPER PART

DO COMP PART

LYNTY LUTHER NORMIS

IN OF DATA INDEX

REP SIZE REP MW

-516434 2.00953 1.0336 64 7231 42410000

516434 2.00953 1.0336 64 2231 42612000

15.073C 61.2012C 19 .003C 62 1005 42614000

AIR .IP

ATR .11P

AIR .14P

ATR .28P

AIR .15P

AIR .03P

AIR .08P

AIR .13P

AIR .08P

ATR .08P

ATR .14P

ATR .36P

AIR .16P

AIR .IP

AIR 280P

AIR 0

ATR 0

ATR 0

ATR 0

LAB 2.4

ATR 20.2265

ATR 30.3951

AIR 120

AIR .04P

AIR .08P

AIR .IP

ATR .IP

ATR .IP

65 2590 42610000

65 2590 42610000

65 2590 42610000

65 2590 42612000

65 2590 42624000

65 2590 42626000

65 2590 42628000

65 2590 42630000

65 2590 42634000

65 2590 42636000

65 2590 42638000

65 2590 42640000

65 2590 42642000

65 2590 42644000

65 2590 42646000

65 1227 42644000

65 1177 42646000

65 1123 42650000

65 1256 42652000

65 1138 42654000

65 1227 42656000

65 1250 42658000

65 1058 42660000

65 2590 42662000

65 2590 42664000

65 2590 42666000

65 2590 42668000

65 2590 42670000

## JANUARY 1968

FUNCTIONAL APPLICATION

AIR	93.1472	48	-0.2472	65	1227	4267.0000
AIR	92.1472	48	-0.2472	65	1227	4267.0000
AIR	93.1472	48	-0.2472	65	1227	4267.0000
AIR	55.9834	76	-0.4113	66	1250	4267.0000
AIR	55.9834	76	-0.4113	66	1250	4268.0000
AIR	55.9834	76	-0.4113	66	1250	4268.0000
AIR	16.7895	1216	-0.317	66	1223	4268.0000
AIR	54.5708	76	-0.4113	66	1250	4268.0000
AIR	371.155	64	-0.18	61	1068	4269.0000
AIR	335.723	96	-0.0944	65	1110	4269.0000
AIR	356.432	152	-0.0226	66	1250	4269.0000
AIR	2737.4	128	-0.037	65	1110	4269.0000
LAB	2.14			63	1138	4270.0000
AIR	784.473	248	-0.095	63	1111	4270.0000
AIR	986.113	1192.37	-0.04669	63	1123	4270.4000
AIR	386.514	470.352	-0.119	63	1111	4270.4000
AIR	24.2673	406	-0.0766	64	1179	4270.8000
AIR	13.0975	304	-0.045	66	1250	4271.0000
AIR	18.1435	50	-0.12691	65	1198	4271.2000
AIR	63.1472	48	-0.2472	65	1227	4271.4000
AIR	19.7868	100	-0.11637	65	1198	4271.6000
AIR	46.5716	96	-0.04944	65	1227	4271.8000
AIR	55.9834	76	-0.4113	66	1250	4272.0000
AIR	23.2864	192	-0.09888	65	1227	4272.0000
AIR	7.51064	597	-0.51789	67	1272	4272.0000
AIR	8.7312	24.1395	-0.11427	65	1228	4272.4000
AIR	12.1565	47.2054	-0.08226	66	1250	4272.6000

	192.047	31	-0.1194	63	1111	42730000
AIR	55.9834	76	-0.0113	66	1250	42732000A
AIR	93.1472	48	-0.2472	65	1227	42734000
AIR	33.4252	100	-1.1637	65	1198	42736000
AIR	10.1132	192	-0.9888	65	1227	42738000
AIR	24.3161	304	-1.645	66	1250	42740000
AIR	30.3398	47.5047	192	65	1227	42742000
AIR	42.5551	71.5556	304	66	1229	42744000A
AIR	66.6666	123.662	50	63	1114	42746000
AIR	67.6217	55.7047	432	65	1227	42748000
AIR	69		-0.2248	57	211	42750000
AIR	124.220	50	-0.08470	63	1198	42752000
AIR	10.7714					

# ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	557 REGULATORS, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SKE	REP NO
-60 FLUID, PRESSURE									
SUIT			AIR	69.8562	141.833		.10016	66	1241 427540000
CANOPY-SEAL			AIR	104.25	132.599		.29736	66	1241 427560000
OXYGEN-SYSTEM-FLIGHT-STATION			AIR	113.452	139.353	684	.3702	66	1250 427580000
RACAR-COMPARTMENT			AIR	117.713	157.983		.1784	66	1263 427600000
CANOPY-SEAL-SYSTEM			AIR	131.188	173.701	812	.17532	64	1179 427620000
GTC-AUX-POWER-PLANT			AIR	146.664	221.308	50	.075	63	1114 427640000
CANOPY-SEAL			AIR	155.45	172.957	1194	1.0357	67	1272 427660000
CABIN			AIR	159.707	229.814	406	.00766	64	1179 427680000
CABIN			AIR	166.666	443.525	31	.012	63	1111 427700000
BLEED-AIR-SYSTEM			AIR	222.491	335.723	96	.04944	65	1227 427720000
CABIN			AIR	229.916	255.107	597	.51789	67	1272 427740000
CANOPY-SEAL-SYSTEM			AIR	227.531	273.351	946	.22854	65	1228 427760000
BLEED-AIR-SYSTEM			AIR	235.288	342.624	152	.08226	66	1250 427780000
OXYGEN-CYLINDER-FIRST-AID			AIR	250.244	342.121	75	.28355	65	1196 427800000
CABIN			AIR	306.292	383.928	473	.11427	65	1228 427820000
			AIR	333				57	211 427840000
GTC-AUX-POWER-PLANT			AIR	363.636	460.713	102	.088	63	1114 427860000
CABIN			AIR	429.957	526.007		.10001	66	1241 427880000
POWER-UNIT			AIR GND	554				61	212 427900000
			GND	759.493	1333.17		.0079	62	1135 427920000
CABIN			AIR SHP GND	869.565	980.391		.138	57	212 427940000
HYDRAULIC-SYSTEM			AIR	869.565	980.391		.138	59	1070 427960000
PNEUMATIC-SYS-APU			AIR	1117.64	1523.67	64	.017	66	1225 427980000
PNEUMATIC-SYSTEM			AIR		93.1472	48	.02472	65	1227 428000000
AUXILIARY-POWER-UNIT			AIR		55.9834	76	.04113	66	1250 428020000
FUEL-TANKS-PKI			AIR	18.018	36.0068		.222	59	1070 428040000
FUEL-CELL-FUSELAGE			AIR	20.8333	81.0354	124	.046	63	1111 428060000
FUEL-TANK-BLNG-EXTERNAL			AIR	28.5714	111.134	320	.035	61	1080 428080000
WING-TANK			AIR	30.1693	49.0051		.28517	66	1241 428100000
RADAR-SYSTEM			AIR	66.373	81.1296	640	.66292	66	1241 428120000
RADAR-COMPARTMENT			AIR	99.099	149.532		.111	41	1080 428140000
AIRBORNE-AUXILIARY-POWER-727			AIR	109.177	166.016		.08557	63	1123 428160000
COCKPIT			AIR	117.706	157.974		.17841	66	1241 428180000
			AIR	160P				66	2360 428200000
			AIR	257.069	380.924		.04668	63	1123 428220000
			AIR	312.5	422.979	580	.064	61	1080 428240000
SHELTER-EQUIPMENT			AIR	610.526	726.663		.095	63	2120 428260000
			GND	1176.47	3130.76		.0017	62	1141 428280000
			AIR	1333.33	1975.72	32	.009	59	1110 428300000
AIR-EMERGENCY			AIR	452.142	641.474	320	.035	61	1080 428320000
AIR-HYDRAULIC			AIR	585.714	721.285	640	.07	61	1080 428340000
CABIN			AIR	713.764	762.733		.538	63	2116 428360000
CABIN			AIR	1336.84	1713.01		.045	63	2126 428380000
CABIN			AIR	1658.1	2803.74		.00592	66	2132 428400000



# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	557 REGULATORS, FLUID	FUNCTIONAL APPLICATION
PART DESCRIPTION		
-60 FLUID, PRESSURE		
COLD-GAS		
COLD-GAS-HELIUM		
DIFFERENTIAL		
FUEL		AIR-CONDITIONING-707-331
FUEL		AIR-CONDITIONING-707-331
FUEL		AFTERSURNER-TURBOJET
FUEL		TURBOJET-J-85
FUEL		GTC-AUX-POWER-PLANT
FUEL		GTC-AUX-POWER-PLANT
FUEL		TANK
FUEL		GTC-AUX-POWER-PLANT
FUEL		TURBOJET-J-65
HEATER-FUEL		
HELIUM-3460PSIG-10-457PSIG		
HYDRAULIC-TANK-AIR		HYDRAULIC-POWER-707-131B
HYDRAULIC-TANK-AIR		HYDRAULIC-POWER-707-131
HYDRAULIC-TANK-AIR		HYDRAULIC-POWER-707-131
HYDRAULIC-TANK-AIR		HYDRAULIC-POWER-707-131
HYDRAULIC-TANK-AIR		HYDRAULIC-POWER-707-131
HYDRAULIC-TANK-AIR		HYDRAULIC-POWER-707-131
LOW		WATER-INJECTION-SYSTEM
OXYGEN		
OXYGEN		
OXYGEN-FIXED-SYSTEM		
OXYGEN-FIXED-SYSTEM		
OXYGEN-FIXED-SYSTEM		
OXYGEN-FIXED-SYSTEM		
OXYGEN-FIXED-SYSTEM		
OXYGEN-FIXED-SYSTEM		
PNEUMATIC		AUX-POWER-PLT
PNEUMATIC		AUX-POWER-PLT
PNEUMATIC		AUX-POWER-PLT
PNEUMATIC		AUX-POWER-PLT
PNEUMATIC		NOSE-GEAR
PNEUMATIC		OXYGEN-7-7-131
SUCKING		
-60 FLUID, TEMPERATURE		
IRIS-MIXING-VALVE		
CABIN-AIR-CONDITIONING		
CABIN-AIR-CONDITIONING		
ENGINE		
ENGINE		

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
MSL	0	10.1884C				
GRD	10C	38.897C			62 1136	42842000
AIR	340P				62 1136	42844000
AIR	340P				66 2352	42844000
AIR	0	10.0752	946		65 2362	42846000
AIR	0	22.6055	812		65 1228	42850000
AIR	8.59328	33.4252	100		64 1179	42852000
AIR	141.542	209.737	50		65 1198	42854000
AIR	242.105	320.561	76		63 1198	42856000
AIR	338.622	415.144	50		64 1266	42858000
AIR	473.684	577.663	76		65 1198	42860000
AIR	947.368	1088.62			64 1266	42862000
AIR	37.037	74.0143			63 2120	42864000
GRD	671.14	2610.53	33		63 2105	42866000
AIR	140P				65 1171	42868000
AIR	230P				65 2361	42870000
AIR	270P				65 2364	42872000
AIR	340P				66 2364	42874000
AIR	440P				66 2361	42876000
AIR	520P				65 2361	42878000
AIR	10.4712	40.7298	24P		65 2361	42880000
AIR	269.841	374.7			63 1111	42882000
AIR	1251.53	1371.47			61 1022	42884000
AIR	139.211	154.301	1000		61 1083	42886000
AIR	141.935	189.162	680		65 1198	42888000
AIR	379.603	471.078	816		63 1114	42890000
AIR	381.168	407.217	400		63 1114	42892000
AIR	473.29	508.971	400		65 1198	42894000
AIR	475.792	513.963	400		63 1198	42896000
AIR	0	18.1435	50		63 1114	42898000
AIR	8.59328	33.4252	100		65 1198	42900000
AIR	58.9761	109.367	50		65 1198	42902000
AIR	66.6666	123.662	50		63 1114	42904000
AIR	2916.66	3914.68			66 1241	42906000
AIR	520P				65 2361	42908000
AIR	0				64 2231	42910000
GRD	5.70385	6223.24	8		64 1245	42914000
AIR	1340.03	22.1842	812		64 1179	42916000
AIR	0	1880.36	31		63 1111	42918000
AIR	0	24.1109	248		63 1111	42920000
AIR	400	1498.71	16		59 1110	42922000
AIR	70.8466	124.36	180		64 1144	42924000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

PART CLASS	557 REGULATORS, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART GROUPS	VA OF DATA RPT SPCE REF NO	CROSS INDEX
PART DESCRIPTION									
-AC FLUID, TEMPERATURE									
THEMOSTAT			QUAL TEST		62.2324			59 212	42926000
THEMOSTAT			AIR GND	.387				62 2231	42926000
THEMOSTAT			PSL	2.16006	3.8022			58 212	42930000
THEMOSTAT				6				58 212	42932000
THEMOSTAT			AIR GND	24				59 214	42934000
THEMOSTAT			AIR	44.9436	73.0039			58 212	42934000
THEMOSTAT-APU-ACC-AND-0-TEMPERATURE	AIRBORNE-AUXILIARY-POWER-727		AIR	21CP				60 2365	42938000
THEMOSTAT-APU-ACC-AND-0-TEMPERATURE	AIRBORNE-AUXILIARY-POWER-727		AIR	30CP				65 2365	42942000
THEMOSTAT-APU-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	18-CP				66 2360	42942000
THEMOSTAT-APU-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	20-CP				66 2365	42944000
THEMOSTAT-APU-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	3-CP				65 2365	42946000
THEMOSTAT-APU-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	4-CP				66 2365	42948000
THEMOSTAT-APU-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	56CP				66 2360	42950000
THEMOSTAT-APU-LOAD	AIRBORNE-AUXILIARY-POWER-727		AIR	27CP				65 2350	42952000
THEMOSTAT-APU-LOAD	AIRBORNE-AUXILIARY-POWER-727		AIR	30CP				65 2163	42954000
THEMOSTAT-APU-LOAD	AIRBORNE-AUXILIARY-POWER-727		AIR	61CP				66 2365	42954000
THEMOSTAT-APU-LOAD	AIRBORNE-AUXILIARY-POWER-727		AIR	14CP				66 2365	42956000
THEMOSTAT-APU-LOAD	AIRBORNE-AUXILIARY-POWER-727		AIR	74CP				66 2360	42960000
THEMOSTAT-APU-LOAD	AIRBORNE-AUXILIARY-POWER-727		AIR	75CP				66 2360	42962000
THEMOSTAT-CONTROL				.0136				61 2231	42964000
THEMOSTAT-CONTROL				.0334				61 2231	42968000
THEMOSTAT-CONTROL				..				61 2231	42970000
THEMOSTAT-CONTROL				.1				61 2231	42970000
TEMPERATURE-REGULATOR				2.38665C	9.28329C		.419C	62 218	42972000
THEMOSTAT-PNEUMATIC	AIR-CONDITIONING-727		AIR	64CP				66 2365	42974000
THEMOSTAT-PNEUMATIC	AIR-CONDITIONING-727		AIR	71CP				66 2365	42976000
THEMOSTAT-PNEUMATIC	AIR-CONDITIONING-727		AIR	137CP				65 2365	42978000
THEMOSTAT-PNEUMATIC	AIR-CONDITIONING-727		AIR	175CP				66 2360	42980000
THEMOSTAT-PNEUMATIC	AIR-CONDITIONING-727		AIR	243CP				66 2360	42982000
THEMOSTAT-PNEUMATIC	AIR-CONDITIONING-727		AIR	143CP				65 2360	42984000
THEMOSTAT-PNEUMATIC				.355				62 2231	42986000
THEMOSTAT-440LG-MAXIMUM				.007417				61 2231	42988000
THEMOSTAT-440LG-MAXIMUM				.002417				61 2231	42990000
THEMOSTAT-600LG-MINIMUM				.000417				61 2231	42992000
THEMOSTAT-600LG-MINIMUM				.000417				61 2231	42994000
THEMOSTAT-6251-5610				.002417				61 2231	42996000
THEMOSTAT-AUXILIARY-POWER-UNIT-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	22CP				66 2365	42998000
THEMOSTAT-AUXILIARY-POWER-UNIT-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	47CP				66 2365	43000000
THEMOSTAT-AUXILIARY-POWER-UNIT-ACCELERATION	AIRBORNE-AUXILIARY-POWER-727		AIR	170CP				65 2365	43002000

NAME AIR DEVELOPMENT CENTER, CHIFFESS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	REGULATOR, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOUR	YR OF DATA INDEX	CROSS REF SRC
FLUID, TEMPERATURE									
THERMOSTAT-AUXILIARY-POWER	AIRBORNE-AUXILIARY-POWER-727	AIR	11CP					65	2365 4300400
UNIT-LOAD									
THERMOSTAT-AUXILIARY-POWER	AIRBORNE-AUXILIARY-POWER-727	AIR	43CP					66	2365 4300500
UNIT-LOAD									
THERMOSTAT-AUXILIARY-POWER	AIRBORNE-AUXILIARY-POWER-727	AIR	118CP					66	2365 4300800
UNIT-LOAD									
THERMOSTAT-PNEUMATIC	AIR-CONCUSSIONING-727	AIR	20°F					65	2363 4301000
THERMOSTAT-PNEUMATIC	AIR-CONCUSSIONING-727	AIR	118CP					66	2363 4301200
THERMOSTATS	RACOM-LIMIT-HIGH-ANTI/DE-ICE-SYSTEM	AIR	*		18.1435	50	-126	65	1198 4301400
THERMOSTATS	FLOW-CONTROL-RADAR-TRANSMITTER	SIM GRD AIR	*		115.13	139	.02	63	1117 4301600
THERMOSTATS	FLOW-CONTROL-RADAR-TRANSMITTER	SIM GRD AIR	*		22.5765	198	.02775	64	1181 4301800
THERMOSTATS	AIP-BLEED-AIR-CONCUSSIONING-SYSTEM	AIR	*		102.847	31	.01194	63	1111 4302000
THERMOSTATS	OVERHEAT-WARNING-EMPENNAGE	LAB	*		34.1632	78	.0674	66	1230 4302200
THERMOSTATS	ANTI/DE-ICE	AIR	*		13.5798	100	.16956	61	1198 4302400
THERMOSTATS									
THERMOSTATS	HYDROSCOP	LAB	.06					63	1130 4302600
THERMOSTATS		LAB	2.36.63C		3.24329C	8	.419C	62	1136 4302800
THERMOSTATS		AIR	3					61	1068 4303000
THERMOSTATS		GRD	5					63	1098 4303200
THERMOSTATS		GRD	5					65	1231 4303400
THERMOSTATS	OVERHEAT-WARNING-WING	AIR	7.08212		13.1369	816	.726	63	1114 4303600
THERMOSTATS	ANTI-ICE/DE-ICE	AIR							
THERMOSTATS	OVERHEAT-WARNING-WING	AIR	7.87944		12.1938	400	1.0153	65	1198 4303800
THERMOSTATS	ANTI-ICE/DE-ICE	AIR							
THERMOSTATS	OIL-SYSTEM-ENGINE	AIR	10.4712		40.7298	279	.0556	63	1111 4304000
THERMOSTATS	RACOM-LIMIT-HIGH-ANTI/DE-ICE-SYSTEM	AIR	11.7952		45.8799	50	.08478	63	1198 4304200
THERMOSTATS	OVERHEAT-WARNING-EMPENNAGE	AIR	12.8899		22.6263	402	.46546	65	1198 4304400
THERMOSTATS	ANTI/DE-ICE	AIR							
THERMOSTATS	RACOM-TEMPERATURE-CONTROL	AIR	15.7541		41.8375	50	.12691	65	1198 4304600
THERMOSTATS	ANTI/DE-ICE-SYSTEM	AIR							
THERMOSTATS	RACOM-TEMPERATURE-CONTROL	AIR	15.873		61.7412		.063	61	1082 4304800
THERMOSTATS	ANTI/DE-ICE-SYSTEM	AIR	17.1865		45.736	100	.11637	65	1198 4305000
THERMOSTATS	OVERHEAT-WARNING-EMPENNAGE	AIR	21.6693		32.5973	200	.50763	65	1198 4305200
THERMOSTATS	ANTI/DE-ICE	AIR							
THERMOSTATS	RACOM-ANTI-ICE/DE-ICE-SYSTEMS	AIR	22.7272		60.4806	102	.088	63	1114 4305400
THERMOSTATS	OVERHEAT-WARNING-EMPENNAGE	LAB	24					61	1071 4305600
THERMOSTATS	ANTI/DE-ICE	AIR	25.4957		40.2432	408	.353	63	1114 4305800
THERMOSTATS	RACOM-LIMIT-HIGH-ANTI/DE-ICE-SYSTEM	AIR	25.7798		57.4099	100	.11637	65	1198 4306000
THERMOSTATS	RACOM-ANTI-ICE/DE-ICE-SYSTEMS	AIR	40		89.0773	50	.075	63	1114 4306200
THERMOSTATS	PNEUMATIC-ACCEL-FUEL-SYSTEM	AIR	43.4345		90.8357	102	.088	63	1114 4306400
THERMOSTATS	AUXILIARY-POWER	AIR							
THERMOSTATS	RACOM-TEMPERATURE-CONTROL	AIR	47.1809		94.2857	50	.08478	63	1198 4306600
THERMOSTATS	ANTI/DE-ICE-SYSTEM	AIR							

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS	597 REGULATORS, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CFR53 INDEX
PART DESCRIPTION								RPT	SACE REF NO
•80 FLUID, TEMPERATURE									
THERMOSTATS	OVERHEAT-WARNING-MING.		AIR	53.0785	73.0014	200	.33912	63	1198 43062000
THERMOSTATS	ANTI-ICE/DE-ICE		AIR	53.3333	106.58	50	.075	63	1114 43070000
THERMOSTATS	PNEUMATIC-ACCEL-FUEL-SYSTEM.		AIR	55.1571	92.7499	50	.12691	65	1198 43072000
THERMOSTATS	AUXILIARY-POWER		AIR	56.8561	78.9501	200	.299	63	1114 43076000
THERMOSTATS	OVERHEAT-WARNING-MING.		AIR	58.9761	109.397	50	.08478	63	1198 43078000
THERMOSTATS	ANTI-ICE/DE-ICE		AIR	66.6666	255.313	68	.015	63	1114 43078000
THERMOSTATS	AUXILIARY-POWER		AIR	66.6666	255.313	68	.015	63	1114 43080000
THERMOSTATS	CARGO-COMPARTMENT-AIR-CONDITIONER		AIR	77.3395	122.076	100	.11637	65	1198 43081000
THERMOSTATS	LOCAL-CONTROL-PNEUMATIC-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER		AIR	80.6451	145.591	272	.062	63	1114 43081000
THERMOSTATS	TEMPERATURE-FLOOR-AIR-CONDITIONING.		AIR	94.526	142.632	100	.11637	65	1198 43085000
THERMOSTATS	CARGO		AIR	120.305	143.846	400	.46548	65	1198 43088000
THERMOSTATS	FLAP-OIL-COOLER-ENGINE		AIR	121.359	270.258	48	.02472	65	1227 43090000
THERMOSTATS	CONTROL-LEAD-PNEUMATIC-SYSTEM.		AIR	146.025	302.853	100	.11637	65	1198 43092000
THERMOSTATS	AUXILIARY-POWER-UNIT		AIR	169.971	261.496	408	.353	63	1114 43094000
THERMOSTATS	COMPRESSOR-AUXILIARY-POWER		AIR	156.993	224.714	200	.30763	65	1198 43096000
THERMOSTATS	FLAP-OIL-COOLER-ENGINE		AIR	200	445.386	68	.015	63	1114 43098000
THERMOSTATS	DUCT-ANTICIP-AIR-CONDITIONING.		AIR	200.518	272.439	50	.02478	63	1198 43100000
THERMOSTATS	FLIGHT-DECK		AIR	214.832	281.096	100	.11637	65	1198 43102000
THERMOSTATS	LOCAL-CONTROL-PNEUMATIC-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER		AIR	226.626	314.748	50	.075	63	1114 43104000
THERMOSTATS	TEMPERATURE-FLOOR-AIR-CONDITIONING.		AIR	260.666	532.903	68	.015	63	1114 43106000
THERMOSTATS	CARGO		AIR	271.29	355.203	50	.08478	63	1198 43108000
THERMOSTATS	CABIN-AIR-CONDITIONING-FLIGHT-DECK		AIR	280	375.79	50	.075	63	1114 43110000
THERMOSTATS	CARGO-COMPARTMENT-AIR-CONDITIONER		AIR	293.333	350.936	50	.075	63	1114 43112000
THERMOSTATS	LOCAL-CONTROL-PNEUMATIC-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER		AIR	318.181	400.999	102	.088	63	1114 43114000
THERMOSTATS	TEMPERATURE-FLOOR-AIR-CONDITIONING.		AIR	330.943	406.496	50	.12691	65	1198 43116000
THERMOSTATS	CARGO		AIR	353.857	451.935	50	.08478	63	1198 43118000
THERMOSTATS	CARGO-COMPARTMENT-AIR-CONDITIONER		AIR	354.981	432.416	50	.12691	65	1198 43120000
THERMOSTATS	LOCAL-CONTROL-PNEUMATIC-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER		AIR	350.917	443.314	100	.11637	65	1198 43122000
THERMOSTATS	DUCT-ANTICIP-AIR-CONDITIONING.		AIR						
THERMOSTATS	CARGO-COMPARTMENT		AIR						

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

# NONHELECTRONIC PART FAILURE RATE DATA

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ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	567 REGULATORS, FLUID	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA RPT	CROSS INDEX
PART DESCRIPTION	-80 FLUID, TEMPERATURE								
THERMOSTATS-HIGH-LIMIT		AIR-CONDITION-FLIGHT-DECK	AIR	104.646	173.262	50	.075	63	1114 43190000
THERMOSTATS-HIGH-LIMIT		AIR-CONDITION-FLIGHT-DECK	AIR	129.747	195.779	50	.08478	63	1198 43180000
THERMOSTATS-HIGH-LIMIT		AIR-CONDITION-CARGO-COMPARTMENT	AIR	212.314	292.006	50	.08478	63	1198 43180000
THERMOSTATS-ME-1			GRD	0	1.82833	150	1.2594	65	1216 43192000
THERMOSTATS-SWITCH-TYPE			GRD	0	209.327		.011	60	1067 43194000A
THERMOSTATS-SWITCH-TYPE			AIR	103.202	250.121		.019	60	1067 43196000A
THERMOSTATS-SWITCH-TYPE			GRD	428.371	954.4		.007	60	1067 43196000A
THERMOSTATS-TA-1			AIR GND	950	1299.47		.010	60	1067 43200000A
THERMOSTATS-TA-2			GRD	1.58805	4.22406	150	1.2594	65	1216 43202000
THERMOSTATS-TA-4			GRD	11.1164	15.9822	150	1.2394	65	1216 43204000
THERMOSTATS-TC-1			GRD	11.1164	15.9822	150	1.2594	65	1216 43206000
THERMOSTATS-TC-4			GRD	4.76417	8.36279	150	1.2594	65	1216 43208000
THERMOSTATS-TC-5			GRD	0	1.82833	150	1.2594	65	1216 43210000
			GRD	0	1.82633	150	1.2594	65	1216 43212000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	ECI RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT	SACE REF NO
UQ N.O.C.									
DIGITAL			GRD	0	1.07309		1.167	59	2001 43214000
COMPUTER, AN/ASM-33			AIR	0	1.39568	650	1.6498	63	1198 43216000
			AIR	0	69.7757	7	.033	62	1099 43218000
BRAKE/SHUTOFF-VALVE-WING-FLAP-SYSTEM			AIR	0	93.1472	48	.02472	65	1227 43220000
AUXILIARY-VENTILATION-AIR-CONDITION- CARGO-COMPARTMENT			GRD SMP	0	41.3913		.05563	64	1180 43222000
			AIR	0	19.7868	100	.11637	65	1198 43224000
DOOR-ELECTRIC-AIR-SPOILER-PARATROOP			AIR	0	46.5736	96	.04944	65	1227 43226000
DIGITAL			GRD	0	.847791		2.716	59	2001 43228000
			AIR	0	34.8878	13	.066	62	1099 43230000
ADF-POWER-SUPPLY-CORR/IDENT/ NAVIGATION-SYSTEM			SIM GRD AIR	0	91.9201	195	.02505	64	1181 43232000A
DIGITAL			GRD	0	287.825		.006	60	2001 43234000
			LAB	0	121.149	21	.019	65	1224 43236000A
COMMUNICATION-EQUIPMENT			AIR	0	4.94672	400	.46548	65	1198 43238000
ANTI-ICING-NACELLE-PNEUMATIC-SYSTEM			AIR	0	23.2868	192	.09888	65	1227 43240000
CAMERA-BOMBING-SYSTEM			AIR	0	48.2219	124	.04775	63	1111 43242000
FIELD-SERVO-AUTOPILOT-JUNCTION-BOX			AIR	0	19.7868	100	.11637	65	1198 43244000
FIELD-SERVO-AUTOPILOT-JUNCTION-BOX			AIR	0	12.1435	50	.12691	65	1198 43246000
FIELD-SERVO-AUTOPILOT-JUNCTION-BOX			AIR	0	27.1597	50	.08478	63	1198 43248000
ECONOMIZER-DC-POWER-SUPPLY			AIR	0	6.78992	200	.33912	63	1198 43250000
			GRD	0	255.844	7	.009	62	1974 43252000
			SIM AIR	0	18.1307	430	.127	63	1108 43254000
			GRD	0	7.75286	7	.297	65	1189 43256000
AUXILIARY-VENTILATION-AIR-CONDITION- CARGO-COMPARTMENT			AIR	0	27.1597	10	.08478	63	1198 43258000
LIENHAGE-ASN-54			AIR	0	401.149		.00574	65	1188 43260000
			SUB	0	40.3964		.057	64	1149 43262000
BLOWING-TV-CAMERA-COMPARTMENT-ANTI/ CE-ICE-SYSTEM			AIR	0	27.1597	50	.08478	63	1198 43264000
ENRICHMENT-FUEL-SYSTEM			GRD	0	11.1776	108	.206	65	1193 43266000
ANTENNA-CALIBRATION-DOPPLER- NAVIGATION-SYSTEM			SIM GRD AIR	0	4.53558	200	.50763	65	1198 43268000
			AIR	0	287.825	139	.008	63	1117 43270000
DOOR-HATCH-MAIN-LANDING-GEAR OUTBOARD			SIM AIR	0	23.7822	1029	.09682	65	1206 43272000A
			AIR	0	53.1472	48	.02472	65	1227 43274000
DOOR			AIR	0	15.5245	288	.14832	65	1227 43276000
ALARM-AUDIBLE-WARNING-SYSTEM-FIRE			AIR	0	46.5736	96	.04944	65	1227 43278000
INTERLOCK-EXT-POWER-AC-POWER-SUPPLY			AIR	0	18.1435	50	.12691	65	1198 43280000
TEST-ILEED-AIR-OVERHEAT-DETECTION- WING-PYLON-A C			AIR	0	46.5736	96	.04944	65	1227 43282000
RADIO-COMPACT-AN/ARM-5			AIR	0	13.5798	100	.15956	65	1198 43284000
SELECTOR-PICKUP-ENGINE-VIBRATION			AIR	0	53.1472	48	.02472	65	1227 43286000
OVERRIDE-SPEED-BRAKE-SYSTEM			AIR	0	20.1505	473	.11427	65	1228 43288000





ROME AIR DEVELOPMENT CENTER, WRIGHTSBORO, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 601 RELAYS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
HOURS

YR  
OF DATA INDEX

CROSS  
RPT SCEE REF NO

-00 N.O.C.

STARTER-CONTROL-MOTOR-AIR-COOLING-SYSTEM	AIR	0	94.4041	62	.02387	63	1111	43350000
SELECTOR-POWER-UMF-COMM-AN/ARC-90	AIR	0	46.5736	96	.04944	65	1227	43360000
SWITCH-OVER-AUTO-AN/ARC-34X-UMF-COMMUNICATION	AIR	0	20.1905	473	.11427	65	1228	43362000
INTERCOM-AN/AIC-10	AIR	0	19.7048	100	.11637	65	1190	43364000
SHUTDOWN-EMERGENCY-ENGINE-CONTROL-SYSTEM	AIR	0	7.16227	576	.29664	65	1227	43364000
ISOLATION-FIRE-EXTINGUISHER-SYSTEM	AIR	0	27.1507	50	.08470	63	1198	43368000
SWITCH-OVER-AUTO-AN/ARC-34X-UMF-COMMUNICATION	AIR	0	26.2679	406	.08766	64	1179	43370000
JATC-FIRING-TAKEOFF-ASSIST-SYSTEM	AIR	0	19.7048	100	.11637	65	1198	43372000
SILENCE-MORN-EMERGENCY	AIR	0	27.1507	50	.08470	63	1198	43374000
HORN-SILENCE-WARNING-SYSTEM-LANDING-GEAR	AIR	0	18.6294	240	.1236	65	1227	43376000
INTERLOCK-VHF-RADIO-OMNIRANGE-NAVIGATION	AIR	0	46.5736	96	.04944	65	1227	43378000
RELEASE-PUMP-00-31-ELEVATOR-CONTROL-SYSTEM	AIR	0	93.1472	40	.02472	65	1227	43380000
HEATER-STALL-WARNING-SYSTEM	AIR	0	46.5736	96	.04944	65	1227	43382000
TEST-BLEED-AIR-OVERHEAT-DETECTION-AUXILIARY-POWER-UNIT-CARGO	AIR	0	55.9834	76	.04113	66	1250	43384000
RELEASE-CHUTE-AIR-DROP-SYSTEM	AIR	0	35.9834	76	.04113	66	1250	43384000A
RELEASE-CHUTE-LIGHT-AIR-DROP-SYSTEM	AIR	0	35.9834	76	.04113	66	1250	43388000
BRACE/SHUTOFF-VALVE-MINC-FLAP-SYSTEM	AIR	0	55.9834	76	.04113	66	1250	43390000
RELEASE-PUMPING-31-ELEVATOR-CONTROL-SYSTEM	AIR	0	55.9834	76	.04113	66	1250	43392000
WARNING-TAKE-OFF	AIR	0	6.21928	624	.3702	66	1250	43394000
WARNING-UNLOCKED-THRUST-REVERSE-SYSTEM	AIR	0	13.9075	304	.1645	66	1250	43394000
WARNING-LIGHT-OVER-PRESSURE-AUTOCUT-SYSTEM	AIR	0	55.9834	76	.04113	66	1250	43398000A
(STORAGE)		0	1.24491		1.8496	66	2522	43400000A
(STORAGE)		0	1.83095		1.2570	66	2528	43402000A
TEST-BLEED-AIR-OVERHEAT-DETECTION-MINC-PYLON-AC	SUB	0	.46052		5	61	2240	43404000
DOOR-ELECTRIC-AIR-SPOILER-PARAYROD	AIR	0	27.9017	152	.08223	66	1250	43406000
(STORAGE)		0	27.9017	152	.08223	66	1250	43408000
WING-SPOILER-SYSTEM	GRD	0	5.75050		.450000	65	2212	43410000
(STORAGE)	AIR	0	21.0004	300	10.460	62	2340	43412000
DOOR-LATCH-MAIN-LANDING-GEAR-OUTBOARD	AIR	0	11.1966		.30543	66	1250	43414000
(STORAGE)		0	75.4052		3.0504	66	2510	43416000A
	AIR	0	55.9834	76	.04113	66	1250	43418000
		0	.04113		.37.000	66	2515	43420000A

ARMY AIR DEVELOPMENT CENTER, GAITHERSBURG, AFB, N.Y.

SECTION 1 FAILURE RATE DATA

MODEL-RELIABILITY PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	GOVT RELAYS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENTARY RATE	FAILURE RATE	UPPER 90 CONF LIMIT	PART LAYTON	PART HOURS	YR OF DATA INDEX	CRISIS ESTY SAGE REF NO
.00 N.O.C.										
WARNING-AUDIBLE-SYSTEM-NATION- SPEED										
		AIR-REPELLANT-SYSTEM		0	0	55.9831	76	.04113	56	1290 43422000
		SEARCH-RADAR-AM/ARM-56		0	0	55.9834	76	.04113	66	1290 43424000
		TEST-GENERATOR-EMERGENCY-POWER (STORAGE)		0	0	55.9834	76	.04113	66	1290 43424000
		HOPE-SILENCER-WARNING-SYSTEM		0	0	100.025		12.287	66	1290 43420000
		LANDING-GEAR		0	0	13.9975	304	.1425	66	1290 43432000
		INTERLOCK-LOAN-SYSTEM-AM/ARM-151		0	0	55.9834	76	.04113	66	1290 43434000
		INTERLOCK-VNF-RADIO-OMNIRANGE- NAVIGATION		0	0	27.9917	152	.00226	66	1290 43436000
(STORAGE)										
		GRD		0	0	22.5237		.10223	65	2490 43438000
		NSL		0	0	3.69186		.82369	65	2420 43440000
		AIR		.02P					65	2990 43442000
		AIR		.02P					65	2990 43444000
		AIR		.023438		.052194		128	66	2525 43446000A
		AIR		.03P					65	2590 43448000
		GRD		.035303		.057345		220.61	65	2590 43450000
		GRD		.05					65	2590 43452000
		GRD		.053381		.075774		281	66	2525 43454000A
		GRD		.06					62	2240 43456000
		AIR		.06P					65	2990 43458000
		(STORAGE)		.100161		.304675		9.9819	66	2521 43460000A
		(STORAGE)		.111413		.433364		8.9756	66	2521 43462000A
		FSA-14-COMMUNICATION-CONSOLE		.121712		.322504C	145	14.5C	65	1290 43464000A
		GRD		.139903		.16714	22000	400.05	65	1144 43466000
		GRD		.141					63	2947 43468000
		GRD		.142002		.204159		98.59	65	2590 43470000
		AIR		.15P					65	2590 43472000
		AIR		.16P					65	2990 43474000
		AIR		.16P					65	2990 43476000
		AIR		.21P					65	2990 43478000
		AIR		.21P					65	2990 43480000
		AIR		.24P					65	2590 43482000
		GRD		.24					65	2590 43484000
		COMPUTER (CONTACT-SET)		.25					U	2001 43486000
		GEN		.25					U	2001 43488000
		LAB		.25					62	2949 43490000
		GRD		.25					61	212 43492000
		AIR		.26P				23.744	65	2990 43494000
		GRD		.26					59	2001 43496000
		GEN		.28					U	2001 43498000
		AIR		.3P					65	2590 43499000
		AIR		.31P					65	2590 43501000
		GRD		.36P					55	2590 43503000
		GRD		.37					57	2240 43504000
MAIN-BUS-64P-100										

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1968  
SECTION I FAILURE RATE DATA

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART HOURS	YR	CROSS REF DATA INDEX
PART DESCRIPTION									
.00 N-6-C.									
COMPUTER	LAB		LAB	-1	1.79912	320	2.167	62 2012	43574000
	LAB		LAB	-462535				63 1119	43500000
	AIR		AIR	.48P				65 2590	43513000
	GRD		GRD	.5				56 2001	43512000
	GRD		GRD	.500748	.737933		42.8	57 212	43514000
COMPUTER-AN/ASM-35 COMPUTER	AIR		AIR	.601026	2.57119	1300	1.5128	63 1198	43514000
	GRD		GRD	.68			32.872	54 2001	43514000
	LAB		LAB	.684603	1.82183	320	2.8214	64 1137	43520000
	GRD		GRD	.704573	1.56903		4.2579	66 2F	43522000
	GRD		GRD	.75				63 2047	43524000
DE-ICING PROPELLOR-ASSEMBLY RADIO	GRD		GRD	.84				62 1043	43526000
	AIR		AIR	.859328	2.2868	2000	2.3274	65 1198	43528000
	GRD		GRD	.9			1.060	57 2001	43530000
	GRD		GRD	.9			1.500	57 2001	43532000
	AIR		AIR	.92P				65 2590	43534000
FPS-19-RADAR	GRD		GRD	.938027	1.07875		94.88	63 2047	43534000
	GRD		GRD	.94				63 2047	43534000
	GRD		GRD	.943396	3.60952		1.04	58 212	43540000
	GRD		GRD	.952587	1.34176	8758	153.27	63 1144	43542000
	GRD		GRD	1				62 2240	43544000
FRC-45-TRANSMITTER	AIR		AIR	1.01				57 2043	43544000
	AIR		AIR	1.03P				65 2590	43544000
	GRD		GRD	1.09309	1.34362	5942	38.399	65 1203	43544000
	AIR		AIR	1.12P				65 2590	43544000
	GRD		GRD	1.13				63 2047	43544000
AUXILIARY-HYDRAULIC PUMP	GRD		GRD	1.13801	1.32439		62.72	63 2047	43544000
	GRD		GRD	1.13278	1.38052	5003	101.52	63 1104	43544000
	GRD		GRD	1.2765				63 2047	43544000
	AIR		AIR	1.23P				63 2590	43544000
	GRD		GRD	1.39542	5.42776		.71603	66 2F	43544000
- (C-AND-O)	LAB		LAB	1.41163	3.73603		1.417	64 1238	43544000
	AIR		AIR	1.43				57 2043	43544000
	AIR		AIR	1.54P				65 2590	43544000
	LAB		LAB	1.56298	6.07935	108	.6398	65 1249	43544000
	GRD		GRD	1.68195	3.70104	1989	1.0051	64 1174	43544000
NEGATOR-TORQUE-CONTROL-REDUCTION-GEAR	AIR		AIR	1.68944	6.49365	400	.549	63 1114	43544000
	LAB		LAB	1.78345	6.93709	108	.56071	65 1249	43544000
	AIR		AIR	1.79079	6.98367	708	.52841	65 1201	43544000
	AIR		AIR	1.9399	3.83404	1800	2.5382	65 1198	43544000
	GRD		GRD	2.0202	2.46365	19750	22.279	64 1174	43544000
FPS-23-AIRCRAFT-ALARM	GRD		GRD	2.03492	2.27924		65.55	63 2047	43544000
	GRD		GRD	2.03713	2.20135	7918	13.92	63 1104	43544000
	GRD		GRD	2.04				63 2047	43544000
	AIR		AIR	2.1				63 2047	43544000
	AIR		AIR	2.1				63 2047	43544000

ADOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

ANNUITY 1750

PART CLASS 601 RELAYS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT DATE

FAILURE NO CONF  
LIMITY

PART  
LATION

IN

OF DATA INDEX  
NPT SREZ REP NO

.00 M.D.C.

WING-FLAP-SYSTEM-FLIGHT-CONTROL HADIO	SNP	2.16	0.5043	1002	.45703	61 212 43594000
	AIR	2.1678				65 1224 43594000
	SNP	3.2				U 2001 43594000
	GRD	2.2				64 2020 43600001
COMPUTER	GRD	2.32				61 201 43602000
	GRD	2.4			18.6	U 2001 43604000
	GRD	2.44328	4.10651	2837	2.865	65 1193 43604000
HADAR	GRD	2.5				U 2001 43600000
TRANSMITTER	GRD	2.5			4.176	51 2001 43610000
	SNP	2.5				U 2001 43612000
RADAR	GRD	2.63157	3.97044		4.18	58 212 43614000
	GRD	2.8			4.180	57 2001 43616000
WINDSHIELD-ANTI-ICE/DE-ICE-SYSTEMS	AIR	2.83206	31.0189	400	533	63 1114 43618000
DE-ICING-HYDRAULIC-PROPELLOR	AIR	2.83446	5.25776	2640	1.764	63 1114 43620000
GLIDE-SLOPE-AN/ARN-67	AIR	2.86442	11.1417	500	34911	65 1198 43622000
NEGATOR-TORQUE-CONTROL-REDUCTION-	GRD	2.87496	4.42936		3.4783	66 21 43624000
GEAR-SYSTEM	AIR	2.96885	7.84731	400	.67823	63 1198 43626000
	AIR	3				62 2240 43628000
(C.I-AND-DI)	LAB	3				62 2240 43630000
	LAB	3.08261	11.9904	54	.3244	65 1249 43632000
	AIR	3.3				62 2240 43634000
	AIR	3.339				65 2940 43636000
DETECTION-ANTI-ICING/DE-ICING-	AIR	3.43725	9.14704	500	.58186	65 1198 43638000
SYSTEMS						
INFRARED-SEARCH-AND-TRACK	AIR	3.5		45		64 2006 43640000
	GEN	3.5				U 2001 43642000
IGNITION/ELECTRICAL-SYSTEMS	AIR	3.50945	5.90188	1716	1.9945	65 1201 43644000
IGNITION-TURBO-ENGINE	AIR	3.52858	9.39008	500	.5468	64 1277 43646000
	SNP	3.73329	14.5212	183	.26786	61 1131 43648000
	AIR	3.84615	14.9003	35	.26	62 1079 43650000
HF-COMMUNICATION-SYSTEM	AIR	3.93174	15.2933	150	.23434	63 1198 43652000
WINDSHIELD-ANTI-ICE/DE-ICE-SYSTEMS	AIR	3.93987	10.4846	200	.50763	65 1198 43654000
FEATHER-PROPELLOR-ASSEMBLY	AIR	3.93987	10.4846	200	.50763	63 1198 43656000
FIRE-CONTROL-(CONTINUOUSLY-ON)	SNP	4				U 2001 43658000
RADIO-(CONTINUOUSLY-ON)	SNP	4.2				U 2001 43660000
RADAR	GRD	4.2				U 2001 43662000
TOUCHDOWN-LANDING-GEAR-MAIN	AIR	4.29664	16.7126	200	4.390	65 1198 43664000
ENVIRONMENT-FUEL-SYSTEM	AIR	4.29664	11.434	400	.46548	65 1198 43666000
RADIO	GRD	4.3			4.390	U 2001 43668000
HF-COMMUNICATION-SYSTEM	GRD	4.32801	5.90035		4.39	61 212 43670000
RADAR	AIR	4.44444	17.2875	150	.225	63 1114 43672000
FIRE-CONTROL-(CYCLED)	SNP	4.5				U 2001 43674000
ANTI-ICING/DE-ICING-SYSTEMS	AIR	4.53514	12.0687	510	.641	U 2001 43676000
						63 1114 43678000

ROME AIP DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS GOI RELAYS

PART DESCRIPTION

UPPER PART YR CROSS  
90 CONF PART OF DATA  
LIMIT LATION HOURS RPT SRCE REF NO

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER PART  
90 CONF PART  
LIMIT LATION

YR OF DATA  
RPT SRCE REF NO

.00 N.O.C.

HALAR	LAB	4.68318	9.35881	162	.85412	65	1209	43690000
RADAR	GRD	4.79233	10.6722		.62600	62	2240	43682000
BOMBING/NAVIGATION-EQUIPMENT	AIR	4.8			2.120	U	2001	43684000
	SHP	4.9				U	2001	43686000
	AIR	5			2.21	61	2001	43688000
	AIR	5	6.26736		7	58	2441	43690000
	QUAL TEST	5	6.26736			57	212	43692000
RELPS-28VDC	LIFE LAB	5.10283C	6.00591C	99	12.934C	61	2480	43694000
GENERAL	GEN	5.2				U	2001	43696000
HF-COMMUNICATION-SYSTEM	GRD	5.2				U	2001	43698000
NAVIGATION-AID	AIR	5.2532	13.9795	150	.38072	65	1198	43700000
	GRD	5.3			.690	57	2001	43702000
	GRD	5.5			.651	57	2001	43704000
FEATHER-HYDROMATIC-PROPELLOR	AIR	5.66572	15.0773	408	.353	63	1114	43706000
HF-COMMUNICATION-SYSTEM	AIR	5.72885	15.2453	300	.34911	65	1198	43708000
GENERAL	GRD	5.78871	11.568		.691	58	212	43710000
IGNITION/ELECTRICAL-SYSTEMS	SIM SUB	5.83333	9.80908		1.2	63	1107	43712000
STARTER-VALVE-REDUCTION-GEAR-SYSTEM	AIR	5.841	13.0075	528	.21361	65	1201	43714000
RADIO-COMPASS-AN/ARM-6	AIR	5.89761	15.6944	260	.33912	63	1198	43716000
DE-ICING-PROPELLOR-ASSEMBLY	AIR	5.89761	22.9399	100	.16956	63	1198	43720000
HADAR-(CONTINUOUSLY-ON)	AIR	5.89796	10.3529	500	1.0173	63	1198	43722000
ANTI-ICING-MACELLE-PNEUMATIC-SYSTEM	SHP	6				U	2001	43724000
	AIR	6.07902	23.6455	304	.1645	66	1250	43726000
	SHP	6.16332	12.3167	908	.649	65	1248	43728000
RADAR	SHP	6.2			5.720	58	2001	43730000
RADIO-(CYCLED)	SHP	6.2				U	2001	43732000
GROUND-STOP-AC-POWER-SUPPLY	AIR	6.44496	14.3524	400	.46548	65	1198	43734000
	AIR	6.5				62	2240	43736000
RADIO	GRD	6.5			13	58	2001	43738000
BOMBING/NAVIGATION-EQUIPMENT	AIR	6.5			.45	U	2001	43740000
RADAR-(CYCLED)	SHP	6.6				U	2001	43742000
DE-ICING-HYDROMATIC-PROPELLOR	AIR	6.67408	11.7153	600	.899	53	1114	43744000
STARTER-VALVE-REDUCTION-GEAR-SYSTEM	AIR	6.68896	17.8003	200	.299	63	1114	43746000
	GRD	6.6923	7.70892		13	58	212	43748000
	SHP	6.7				64	2428	43750000
RADIO-COMPASS-AN/ARM-6	AIR	6.7114	26.1053	100	.149	65	1114	43752000
WING-FLAP-SYSTEM-FLIGHT-CONTROL	AIR	6.80272	26.4605	15	.147	62	1097	43754000
AUTOMATIC-FLIGHT-CONTROL	AIR	7.24113	10.2787	2388	4.0715	67	1212	43756000
	AIR	7.5			2.39	56	2001	43758000
HF-COMMUNICATION-SYSTEM	AIR	7.53138	10.3542		2.39	57	212	43760000
	AIR	7.54717	20.0641	904	.265	63	1114	43762000
AUXILIARY-VENTILATION-AIR-CONDITION.	AIR	7.63358	29.6923		.131	61	1244	43764000
CARGO-COMPARTMENT	AIR	7.6796	30.6492	30	.12691	65	1198	43766000

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

PART CLASS GDI RELAYS

PART DESCRIPTION

-00 N.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS REF NO
PHASE-SEQUENCE-AC-POWER-SUPPLY	AIR	7.8796	30.6492	50	.12691	65	1198 43748000
INTERCOM-AN/AIC-10	AIR	7.8796	30.6492	50	.12691	65	1198 43770000
DETECTION-ANTI-ICING/DE-ICING-SYSTEMS	AIR	7.87972	14.6164	290	.83454	65	1198 43772000
RADIO	SHP	7.9				U	2001 43774000
PITCH-TRIM-ACTUATOR	AIR	8.09061	31.47	240	.1459	65	1227 43776000
DOOR	AIR	8.10372	21.5652	456	.268	65	1250 43778000
RADAR	AIR	8.2			12.400	57	2001 43780000
BOMBING/NAVIGATION-EQUIPMENT	AIR	8.5				54	2001 43782000
ATTACKER-TRIM-TAB-SYSTEM	AIR	8.59428	32.4252	180	.11637	65	1198 43784000
BATTERY-DC-POWER-SUPPLY	AIR	8.59328	33.4252	100	.11637	65	1198 43786000
INTERLOCK-TIMER-AUTOPILOT-JUNCTION-BOX	AIR	8.59328	33.4252	50	.11637	65	1198 43788000
FEATHER-PROPELLER-ASSEMBLY	AIR	8.59328	17.1727	460	.46548	65	1198 43790000
GROUNDING-OF-COMMUNICATION-SYSTEM	AIR	8.59328	33.4252	100	.11637	65	1198 43792000
BOMBING/NAVIGATION-EQUIPMENT	AIR	8.658	14.0635		.924	62	2240 43794000
TACAN-SYSTEM-AN/ARN-21	AIR	8.7			7.07	57	2001 43796000
BOMBING/NAVIGATION-EQUIPMENT	AIR	8.726	16.1863	2515	.573	63	1114 43798000
FIRE-CONTROL	AIR GND	8.79032	9.97072		12.4	58	212 43800000
GENERAL RADIO	AIR GND	9				U	2001 43802000
NAVIGATION-SUBSYSTEM	AIR	9.5	10.8347		7.07	58	212 43804000
INDICATOR-BUS-OFF-AC-1	AIR	9.6				U	2001 43806000
POWER-DISTRIBUTION	SHP	10				62	2240 43808000
INTERPHONE-SUBSYSTEM-RADIO-SET-AN/ARC-57	AIR	10				U	2001 43810000
BATTERY-DC-POWER-SUPPLY	AIR	10.1876	11.2221	770	17.563	57	2061 43812000
INTERLOCK-AUTOPILOT-JUNCTION-BOX	AIR	10.4202	23.2052	532	.2879	58	212 43814000
TOUCHDOWN-LANDING-GEAR-MAIN	MSL	10				62	2322 43816000
WING-FLAP-SYSTEM-FLIGHT-CONTROL	GRU	10				66	1250 43820000
FUEL-QUANTITY-ENGINE-INSTRUMENTATION	SIM	10.5948	15.2324	21	1.3214	62	2321 43822000
INDICATOR-BUS-OFF-AL-POWER-DISTRIBUTION	AIR	10.7526	28.6145	19	.186	62	1093 43824000
INTERCOM-AP/AIC-10	AIR	11.1451	13.4241	82	4.576	62	1099 43826000
GYRO-SYSTEM-PILOTS-ATTITUDE-FLIGHT-INSTRUMENTATION	AIR	11.3626	44.2011	102	.088	63	1114 43828000
HEATER-BLANKET-LANDING-GEAR-MAIN	AIR	11.3636	45.2011	102	.088	63	1114 43830000
	AIR	11.4077	22.797	1624	.25034	63	1114 43832000
	AIR	11.4577	22.8969	300	.34911	65	1198 43834000
	AIR	11.558	30.7576	336	.17304	65	1227 43836000
	AIR	11.7952	45.8799	50	.08478	63	1198 43840000
	AIR	11.7952	31.3888	100	.16958	63	1198 43842000
	AIR	11.7952	23.5714	200	.33912	63	1198 43844000

MOBILE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

JANUARY 1968

PART CLASS	COI RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART MCJRS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								TYPE	REF NO
-CO N.O.C.									
DISTRIBUTION-BUS-DC-POWER-SUPPLY (CONTACT-SET)			AIR	11.7954	20.7051	300	-50887	63	1198 43844000
TRANSMITTER			GEN	12				U	2001 43848000
WARNING-AUDIBLE-SYSTEM-IRE			SHR	12				U	2001 43850000
SELECTOR-POWER-UMF-COMMUNICATION			AIR	12.1565	47.2854	152	-08226	66	1250 43852000
AN/ARC-50			AIR	12.1565	47.2854	152	-08226	66	1250 43854000
AC-POWER SUPPLY			CRG	12.21	47.4932		.02190	60	25 43856000
ANTI-ICING/ENGINE-SYSTEMS			AIR	12.5628	22.3032		.398	61	1066 43858000
RAILAR			AIR	12.6031	26.7960	1500	1.7456	65	1198 43860000
TRANSMITTER			AIR	12.5987	50.5155	340	.077	63	1114 43862000
INVERTER-FAULTR-AC-POWER-SUPPLY			SHR	13				50	2240 43864000
DISTRIBUTION-BUS-DC-POWER-SUPPLY			GRG	13				U	2001 43866000
IR ALK-BLANKET-LANDING-GEAR-MAIN			SHR	13.133	24.3609	150	.36072	U	2001 43868000
GYRO-SYSTEM-PILOTS-ATTITUDE-FLIGHT-INSTRUMENTATION			AIR	13.1576	51.1802	3	.076	65	1198 43870000
SILENCER-AUDIO-SYSTEM			AIR	13.333	23.4046	300	.45	62	1099 43872000
ENRICHMENT-FUEL-SYSTEM			AIR	13.333	23.4046	300	.45	63	1114 43874000
RADIO			AIR	13.3779	26.7342	200	.299	63	1114 43876000
INVERTER-FAILURE-AC-POWER-SUPPLY			AIR	13.4228	35.7201	100	.149	63	1114 43878000
INTERLOCK-TIMER-AUTOPILOT-JUNCTION-BOX			AIR	13.6				61	212 43880000
BATTERY-DC-POWER-SUPPLY			AIR	13.6054	52.921	100	-0735	65	1198 43882000
IGNITION/ELECTRICAL-SYSTEMS			AIR	14.4927	38.5673	24	.138	62	1099 43884000
STARTER-SWITCH-IMMILES			AIR	14.744	27.3493	200	.33912	63	1198 43886000
IGNITION/ELECTRICAL-SYSTEMS			GRD	15				62	2240 43888000
ELEVATOR-IRIM-TAB-ASSEMBLY			SHR	15.0375	40.6172	62	.133	U	2001 43890000
ENRICHMENT-FUEL-SYSTEM			AIR	15.0943	30.1643	306	.265	62	1099 43892000
IGNITION/ELECTRICAL-SYSTEMS			AIR	15.7591	41.9375	150	.12691	63	1114 43894000
PHASE-SEQUENCE-AC-POWER-SUPPLY			AIR	15.7591	41.9375	50	.12691	65	1192 43896000
INTERLOCK-FRT-POWER-AC-POWER-SUPPLY			AIR	15.8252	37.7785	400	.37914	65	1201 43900000
SILENCE-HORN-EMERGENCY			AIR	16.129	62.737	272	.042	63	1114 43902000
CHANGE-OVER-ANTENNA-UMF-D-F-SYSTEM			GRD	16.2074M	63.0421M	15	.0617M	66	1255 43904000
AN/ARA-25			AIR	16.3835	28.7585	244	.36622	65	1201 43906000
BOMBING/NAVIGATION-EQUIPMENT			AIR	16.5133	27.7461	250	.4239	63	1198 43908000
			AIR	16.7224	21.019	200	.299	63	1114 43910000
			AIR	16.8539	37.5325	7	.178	62	1098 43912000
			AIR	16.9971	29.8350	408	.353	63	1114 43914000
			AIR	17.1865	45.736	100	.11837	65	1198 43916000
			AIR	17.1865	45.736	100	.11837	65	1198 43918000
			AIR	17.1865	45.736	100	.11837	65	1198 43920000
			AIR	17.1865	45.736	100	.11837	65	1198 43922000
			AIR	17.6056	52.6373		.284	61	1066 43924000
			AIR	18			.054	57	2001 43926000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PERCENT POPULATION	PERCENT HOURS	YR OP RPT SINCE REF NO	CROSS INDEX
PART DESCRIPTION									
RAIAR			AIR	19.2307	33.7567	1432	.312	U 2601	43928000
			QUAL TEST	18.5185	72.0314		.054	58 212	43928000
ELEVATOR-TRIM-TAB-ASSEMBLY			AIR	18.6666	31.389	250	.378	63 1114	43932000
			LAB	18.6706	72.6232	48	.03354	64 1137	43934000
DETECTION-ANTI-ICING/OE-ICING-SYSTEMS			AIR	18.8723	30.6551	250	.4239	63 1198	43936000
IGNITION/ELECTRICAL-SYSTEMS			SIM AIR	19.2307	33.7567	1432	.312	63 1109	43938000
			AIR	19.3348	30.519	400	.46548	65 1198	43940000
			AIR	20				62 2240	43942000
			GRD	20				60 2240	43944000
NACAR			SHP	20				U 2601	43946000
INVERTER-FAILURE-AC-POWER-SUPPLY			AIR	20.0509	33.7168	305	.34911	65 1198	43948000
WARNING-AUDIBLE-SYSTEM-OXYGEN-QUANTITY			AIR	20.1605	40.1605		.199	57 212	43950000
TACAN-SYSTEM-AN/ARN-21			AIR	20.2263	78.6751	96	.04944	65 1227	43952000
FIRL-CONTROL			AIR	20.262	27.8674	350	.8836	65 1198	43954000
ANTI-ICING/EE-ICING-SYSTEMS			AIR	20.8333	46.3944	75	.144	62 1093	43956000
HI-COMMUNICATION-SYSTEM			AIR	21			.199	57 2001	43958000
REVERSE-CURRENT-CUTOFF			AIR	21.3333	34.6525	250	.375	63 1114	43960000
PACAR			AIR	21.7391	84.5586	204	.046	63 1114	43962000
AUTOMATIC-FLIGHT-CONTROL			AIR	21.7391	48.4115		.138	58 1070	43964000
			GRD	22			.737	U 2001	43966000
			AIR	22			.177	57 2001	43968000
			AIR	22.4719	44.9075	24	.178	62 1099	43970000
OVERRIDE-SPEED-BRAKE-SYSTEM			CEM	22.5988	45.1612		.177	57 212	43972000
TRANSFER-BOX-NAVIGATION			AIR	22.8154	60.7152	406	.08766	64 1179	43974000
INSTRUMENTATION			AIR	22.8154	60.7152	406	.08766	64 1179	43976000
TOUCHDOWN-LANDING-GEAR-MAIN			AIR	23.116	46.1948	336	.17396	65 1227	43978000
INTERLOCK-EXT-POWER-AC-POWER-SUPPLY			AIR	23.5904	62.7777	50	.08178	63 1198	43980000
TOUCHDOWN-LANDING-GEAR-MAIN			AIR	23.5904	62.7777	50	.08178	63 1198	43982000
TOUCHDOWN-LANDING-GEAR-MAIN			AIR	23.6387	52.642	50	.12691	65 1198	43984000
ELECTRICAL-POWER-707-1318			AIR	23.6387	52.642	50	.12691	65 1198	43986000
GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT			AIR	23.6406	37.3154	150	.3807	65 1198	43988000
MONITOR-BUS			AIR	23.8095	63.5607		.084	58 1070	43990000
TRANSMITTER			SHP	24				U 2001	43992000
TACAN-SYSTEM-AN/ARN-21			AIR	24.2718	84.4337	714	.615	62 1114	43994000
ISOLATION-DC-BUS-POWER-EMERGENCY			AIR	24.3131	94.5708	76	.04113	66 1250	43996000
SELECTOR-PICKUP-ENGINE-VIBRATION			AIR	24.3131	94.5708	76	.04113	66 1250	43998000
UP/LOCKED-LANDING-GEAR-MAIN			AIR	24.3131	94.5708	76	.04113	66 1250	44000000
BOMBING/NAVIGATION-EQUIPMENT			AIR	25				54 2001	44002000
			SHP	25.4237	50.6169	54	.118	63 1248	44004000
GAS-TURBINE-COMPRESSOR			AIR	25.641	57.1008	64	.117	62 1093	44006000
AUXILIARY-POWER-PLANT			AIR	25.7998	45.2526	200	.23274	65 1198	44008000

-UC N.O.C.



PDCE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	NONELECTRONIC PART FAILURE RATE DATA				JANUARY 1968		
				FAILURE RATE	UPPER 90 CONF LIMI	PART POPU- LATION	PART HOURS	YR RPT SRCE	DATA INDEX	CROSS REF NO
-60 N.O.C.	STABILIZATION-SUBSYSTEM INTERLOCK, EX-POWER, AC-POWER-SUPPLY TOUCHDOWN-LANDING-GEAR-MAIN	AIR	AIR	26-1569	32-387	83	1-491	62	1099	44010000
				26-2172	31-3036	104	2-1360	62	2322	44012000
				26-6666	70-964	50	.075	63	1114	44014000
				26-6666	70-964	50	.075	63	1114	44016000
	PITCH-TRIM-ACTUATOR INFRARED-SEARCH-AND-TRACK IGNITION/ELECTRICAL-SYSTEMS HALLAP	AIR	AIR	27-0672	72-73	232	.07389	64	1264	44018000
				27-7777	30-0157	555	10-188	62	1099	44020000
				29-1757	51-2137	380	.20565	66	1250	44022000
				29-1	41-9447	43	.50763	66	2006	44024000
	COMMUNICATION CHANGEOVER-ANTENNA-UNF-D-F-SYSTEM. AN/ARA-25	AIR	AIR	30-303	117-869	7	1-210	65	1198	44026000
				30-303	67-628	15	.033	62	1093	44030000
				30-4054	37-0797	15	.099	61	1066	44032000
				31	38-9973	50	1-48	62	1099	44034000
	FLATPER-HYDROMATIC-PROPELLOR FIRE-CONTROL FIRE-CONTROL	AIR	AIR	31-4049	62-9855	50	1-21	58	212	44036000
				31-5183	85-8435	272	.12591	65	1198	44040000
				32-258	50-6041	75	.654	63	1114	44042000
				33	75-9181	102	.328	U	2001	44044000
	CHANGEOVER-ANTENNA-UNF-D-F-SYSTEM. AN/ARA-25	AIR	AIR	33-5365	50-6041	75	.088	62	1093	44046000
				34-0909	50-6041	75	.088	63	1114	44048000
				34-3731	50-6041	75	.1637	65	1198	44050000
				34-6285	45-8634	200	.684	57	212	44052000
	ELEVATOR-TRIM-TAB-ASSEMBLY RADIO	AIR	AIR	35-4588	48-7683	200	.50763	65	1198	44054000
				39	51-12	195	.684	57	212	44056000
	RECEIVER-TRANSMITTER-RT-435 GENERAL GAS-TURBINE-COMPRESSOR-FUNCTIONARY- POWER-PLAN	AIR	AIR	39-4736	155-277	195	.02505	64	1181	44058000
				40	63-1377	306	.225	57	2001	44060000
				40	63-1377	306	.225	63	1114	44062000
				42-4929	60-3184	408	.353	63	1114	44064000
	ELEVATOR-TRIM-TAB-ASSEMBLY IFF-SYSTEM-AN/APN-25 DC-POWER-SUPPLY	AIR	AIR	42-8565	64-3672	100	.25667	58	1240	44066000
				42-8	79-7	100	.11637	57	2240	44068000
				42-4604	169-117	80	.023	65	1198	44070000
				43-4782	63-0971	73	.319	69	1110	44072000
	ANTENNA-UNF-COMMUNICATION-SYSTEM-AN/ ARC-34	AIR	AIR	43-8871	63-0971	73	.319	62	1099	44074000
				44-3037	63-8962	102	.316	61	1086	44076000
				45-4545	90-8357	102	.080	63	1114	44078000
				45-4545	120-561	129	.044	63	1108	44080000
	BATTERY-DC-POWER-SUPPLY TRANSFER-GENERATOR-EMERGENCY	AIR	AIR	45-4545	51-3734	525	2-459	62	1093	44082000
				45-6308	91-1881	406	.08766	64	1179	44084000
				45-7875	178-099	80	.02184	63	1132	44086000
				45-7875	178-099	80	.02184	63	1132	44088000

RORE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

PART CLASS 601 RELAYS

PART DESCRIPTION

-70 M.O.C.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOURS	VR	DATA INDEX	CROSS REF NO
INTERLOCK-AUTOPILLOT-JUNCTION-BOX	AIR GND	46-0122	53-7654	13210	-552	62	1221	44020000
ANTENNA-UMF-COMMUNICATION-SYSTEM-AN/ARC-34	AIR	46-9798	78-9993	100	-149	53	1114	44094000
	AIR	47-2774	82-9887	50	-12691	64	1108	44096000
ANTENNA-AN/ARC-38-WF-COMMUNICATION-SYSTEM	GRD	47-5247	57-9816		1-01	62	1072	44098000
	AIR	47-619	126-121		-042	61	1066	44100000
	AIR	47-9386	80-9232	63	-1043	64	1140	44107000
GENERAL LONGITUDE-COURSE-COMPUTER-DOPPLER-NAVIGATION	AIR	49-0797	68-0699	13	-224	62	1093	44104000
	GRD	49-4563	78-0549		-182	60	1067	44106000
	AIR GND	50		50		61	212	44108000
	AIR	50				U	2631	44110000
	SIM GRD AIR 50		194-435	139	-02	63	1117	44112000
ANTENNA-UMF-COMMUNICATION-SYSTEM-AN/ARC-34	AIR	50-7614	78-2063		-127	60	1067	44114000
	AIR	50-7936	71-2749	12	-315	62	1093	44116000
	AIR	50-7936	71-2749	12	-315	62	1099	44118000
	AIR	52-2123	62-05		1-12	58	212	44120000
	AIR	52-6315	204-721	100	-019	63	1114	44122000
BOMBING/NAVIGATION-EQUIPMENT	AIR	53-3333	106-58	50	-075	63	1114	44124000
	AIR	55			-184	58	2001	44126000
	AIR	55-1939	67-6328	212	-779	62	1093	44128000
	AIR	55-5555	216-094	4	-018	62	1099	44130000
	AIR	55-5555	216-094	4	-018	62	1093	44132000
	AIR GND	55-5555	216-054	64	-018	59	1110	44134000
INVERTER-FAILURE-AC-POWER-SUPPLY	AIR	55-666	71-7295		-503	60	1067	44136000
STARTER-CONTROL	AIR	57-7777	84-7375	150	-225	63	1114	44138000
COMMUNICATION	AIR	57-971	94-1644		-138	59	1070	44140000
CHANGOVER-ANTENNA-UMF-D-F-SYSTEM-AN/ARA-25	AIR	58				U	2001	44142000
BATTERY-DC-POWER-SUPPLY	AIR	58-9761	105-397	50	-08476	63	1198	44144000
	AIR	58-9761	109-397	50	-08478	63	1193	44146000
	AIR	59-2105	93-4605	41	-152	62	1093	44148000
HADAR	QUAL TEST	59-7826	90-2073		-184	59	212	44150000
BATTERY-DC-POWER-SUPPLY	AIR	60				U	2001	44152000
	AIR	61-2584	103-609	473	-11427	55	1228	44154000
	AIR	61-9195	76-4553		-646	57	212	44156000
RACAR	AIR	62				U	2001	44158000
INVERTER-FAILURE-AC-POWER-SUPPLY	AIR	62-9079	88-2735	150	-23434	63	1198	44160000
TACAN-SYSTEM-AN/ARN-21	AIR	64-875	81-8879	300	-50867	63	1198	44162000
MAIN/BUS-TIE-RV-DC-POWER-SUPPLY	AIR	66-6666	259-313	68	-015	63	1114	44164000
CHANGOVER-ANTENNA-UMF-D-F-SYSTEM-AN/ARA-25	AIR	66-6666	123-662	50	-075	63	1114	44166000
	AIR	66-6666	259-313	8	-015	62	1093	44168000

# HOME AIR DEVELOPMENT CENTER, WHEELISS AFB, N.Y. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA RPT	CROSS INDEX REF NO
A.C. M.B.C.	AUXILIARY-HYDRAULIC-PUMP		AIR	66.6666	255.313	68	.015	63	1114 44170000
	TACAN-SYSTEM-AN/ARN-21		AIR	68.8888	87.6218	300	.43	63	1114 44170000
	MISSILE-GUIDANCE		GRD	71				U	2001 44174000
	ASTRO-TRACKER-SUBSYSTEM		AIR	71.9544	124.375	12	.09464	62	2322 44176000
	AUTOMATIC-FLIGHT-CONTROL		GRN	74				47	212 44176000
			AIR	75				U	2001 44180000
	TOUCHDOWN-LANDING-GEAR-MAIN		AIR	75				62	2240 44187000
	TRANSFER-BOX-NAVIGATION-INSTRUMENTATION		AIR	76.4154	101.841	532	.2879	66	1250 44184000
			AIR	76.923	299.207	4	.013	62	1099 44186000
			AIR	78.7608	124.315	473	.11427	65	1228 44188000
	SIGNAL-DATA-CONVERTER-COMMUNICATION/IDENTIFICATION/NAVIGATION/SYSTEM		GRD	79.0729	94.1145		.7334	57	2M3 44190000
	POWER-SUPPLY-AN/ASQ-37		SIM GRD AIR	75.8603	212.467	195	.02505	64	1181 44197000A
	ANTENNA-CALIBRATION-DOPPLER-NAVIGATION-SYSTEM		SIM GRD AIR	79.8403	212.467	195	.02505	64	1181 44194000A
			SIM GRD AIR	82.7126	321.728	194	.01209	64	1181 44196000A
	BATTERY-DC-POWER-SUPPLY		AIR	83.3333	166.532		.048	61	1066 44198000
	TRANSFER-BOX-NAVIGATION-INSTRUMENTATION		AIR	83.7871	222.97	62	.02387	63	1111 44200000
			AIR	84.9601	103.849	597	.51789	67	1272 44202000
	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	85.1062	126.11	38	.141	62	1099 44204000
			GRD	88.8625	197.85	2100	.03376	63	1159 44206000A
	FLIGHT-DIRECTOR-SYSTEM-AIR-FCR		AIR	50.909	353.609	5	.011	62	1099 44208000
	BATT-ALTITUDE-SYSTEM		AIR	94.3618	132.41	100	.16546	63	1198 44210000
	RELEASE-HEEL-HALF INCTION-ELEVATOR-ASSEMBLY		AIR	94.526	142.632	100	.11637	65	1198 44212000
			AIR	94.6611	175.55	10	.05282	62	2327 44214000
			AIR	97.2526	194.348	76	.04113	64	1250 44216000
	AUTOMATIC-FLIGHT-CONTROL		AIR	100			.050	58	2M1 44218000
	MONITOR-VOLTAG-MOBILE-INSPECTION-UNIT		AIR	100			.05	58	212 44220000
	COMPAND-SUBSYSTEM-RADAR-SET-AN/ARC-57		GRD	102.739	162.168		.0876	67	1141 44224000
			AIR	105.122	149.221	13	.14269	62	2321 44226000
	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	105.263	152.175		.095	61	1066 44228000
	DC-POWER-SUPPLY		AIR	105.263	280.121	37	.019	62	1093 44230000
	POWER-SUPPLY-AN/ASQ-37		AIR	107.382	190.681	100	.149	63	1114 44232000
			AIR	110.314	158.6	50	.12691	65	1198 44234000
			SIM GRD AIR	111.111	295.683	278	.018	63	1117 44236000
			AIR	113.378	210.31		.0441	59	2M2 44238000
			AIR	118.811	140.988	10	.505	62	1099 44240000
			AIR						



# HOME AIR DEVELOPMENT CENTER, GEORGETOWN, N.Y. SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 201 RELAYS

PART DESCRIPTION FUNCTIONAL APPLICATION

AC/UC

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
AC-POWER-SUPPLY	AL-POWER-SUPPLY	GRD	325.236	1031.83	400	-00506	63	1159 443240000
FIRE-CONTROL	FIRE-CONTROL	AIR	407	702.34	68	.015	63	1114 443280000
		AIR	550			1.13	58	2001 443270000
		AIR	571.428	1141.93	5	.007	62	1095 443280000
SWITCH-OVER-AUTO-TACAN-RADIO.	SWITCH-OVER-AUTO-TACAN-RADIO.	AIR	577.579	675.797	473	.11427	63	1229 443340000
AN/SPN-6	AN/SPN-6	GRD	697.05	1016.51	1300	.01865	63	1159 443360000
		GRD	920.245	2049.32	200	.00326	63	1159 443380000
PULSI-FORMING-NETWORK	PULSI-FORMING-NETWORK	AIR	978.434	1183.08	490	.05008	65	1223 443400000
		AIR	1000	1342.1		.021	57	212 443420000
GENERAL	GENERAL	AIR	1014			.021	U	2001 443440000
SWITCH-OVER-AUTO-TACAN-RADIO.	SWITCH-OVER-AUTO-TACAN-RADIO.	AIR	1049.5	1204.11	406	.08766	64	1179 443460000
AN/ARM-6	AN/ARM-6	AIR	1515.15	5893.48	6	.00066	62	1157 443480000
AUXILIARY-ASSEMBLY	AUXILIARY-ASSEMBLY	GRD	2009.13	2217.46		.0875	67	1141 443500000
TIME-POHILL-INSPECTION-UNIT	TIME-POHILL-INSPECTION-UNIT	GRD	3044				61	245 443520000
		AIR	55753.3	57200.8		.04493	62	2429 443540000
CABIN-OVERHEAT-AIR-CONDITIONING	CABIN-OVERHEAT-AIR-CONDITIONING	AIR	6	192.847	31	.01194	63	1111 443560000
CAPPER-HEAT	CAPPER-HEAT	AIR	6	192.847	31	.01194	63	1111 443580000
EXTERNAL-POWER-INTERLOCK	EXTERNAL-POWER-INTERLOCK	AIR	63.752	325.77	31	.01194	63	1111 443600000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	110P				66	2361 443620000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	110P				66	2362 443640000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	110P				66	2364 443660000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	170P				66	2362 443680000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	230P				64	2361 443700000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	260P				65	2361 443720000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	310P				66	2362 443740000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	310P				65	2364 443760000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	340P				66	2364 443780000
ELECTRICAL-POWER-707-131	ELECTRICAL-POWER-707-131	AIR	540P				65	2364 443800000
CONTROL-CABIN-TEMPERATURE-AIR-CONDITIONING	CONTROL-CABIN-TEMPERATURE-AIR-CONDITIONING	IMP	2.64	192.847	31	.01194	62	2240 443820000
ANTI-ICING-ENGINE	ANTI-ICING-ENGINE	AIR	6				63	1111 443840000
AUDIBLE-WARNING-SYSTEM-FIRE	AUDIBLE-WARNING-SYSTEM-FIRE	AIR	2.09432	17.5356	351	.13131	63	1111 443860000
		AIR	6	8.14631	1240	.47748	63	1111 443880000
		AIR	539.033	27.9917	152	.08226	66	1250 443900000
R.F. AMPLIFIER	R.F. AMPLIFIER	AIR	2.03	591.904		.539	63	2114 443920000
(STORAGE)	(STORAGE)	LAB	6				65	2324 443940000
(STORAGE)	(STORAGE)		6	7.15093		.3220	66	2328 443960000
(STORAGE)	(STORAGE)		6	34.9935		.0658	66	2329 443980000
(STORAGE)	(STORAGE)		6	2.70575		.8510	66	2326 444000000
(STORAGE)	(STORAGE)		6	1.02688		1.2604	66	2320 444020000
(STORAGE)	(STORAGE)		6	6.22492		.3695	66	2322 444040000
(STORAGE)	(STORAGE)		6	.239413		9.6177	66	2322 444060000
(STORAGE)	(STORAGE)		6	.446552		1.1564	66	2319 444080000

ROD AIR DEVELOPMENT CENTER, SAFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

WHELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 20T RELAYS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER NO CONF  
LIMIT LAYER

YR OF DATA INDEX  
RPT SAGE REF NO

00 N.O.C.

ARMATURE	(STORAGE)	GRD	1.8214	1.8214	64 254	44418000A
ARMATURE	(STORAGE)	AIR	1.2310	1.2310	64 2518	44412000A
ARMATURE	(.001-.01 ACTUATION/HOUR)	AIR	4.428.07	4.428.07	64 1100	44414000A
ARMATURE		SHP	2.28314	11070	64 1146	44414000A
ARMATURE		SHP	2.42812		64 1126	44418000A
ARMATURE		SIM MSL	12118.9	370	64 1130	44420000A
ARMATURE	TOSS-BOMB-SYSTEM	SIM GRD AIR	76752.3	32	64 1130	44420000A
ARMATURE	(PER-CONTACT-2CT)	LAB	82.9745	195	64 1181	44424000A
ARMATURE		AIR	1.8214		64 1136	44424000A
ARMATURE		AIR	2.63769		64 1104	44430000A
ARMATURE		SIM GRD	4.55205		64 1104	44430000A
ARMATURE		LAB	4.31877	6721	64 1126	44440000A
ARMATURE	(0-20PC-RTD-CURRENT)	GRD	5.47645		64 1126	44440000A
ARMATURE	(.05-.15 ACTUATION/HOUR)	SHP	5.48114	7.69127	64 1126	44440000A
ARMATURE	(20-50PC-RTD-CURRENT)	SHP	5.83175	9.47273	64 1126	44440000A
ARMATURE		SHP	5.91666	9.9492	64 1126	44440000A
ARMATURE		SHP	10.3451	13.7073	64 1126	44440000A
ARMATURE		AIR GRD	37.4004	2660	64 1126	44440000A
ARMATURE		GRD	42.5622		64 1188	44460000A
ARMATURE		AIR	51.1018	60.3022	64 1126	44460000A
ARMATURE		AIR	54.6227	66.1294	64 1126	44460000A
ARMATURE		AIR	78.7401	132.466	64 1126	44460000A
ARMATURE		AIR	88.7573	113.358	64 1095	44450000A
ARMATURE		AIR	146.35	373.494	64 1095	44450000A
ARMATURE-OPDT		SIM AIR	72.2021	192.24	64 1126	44450000A
ARMATURE-OPDT		SIM AIR	192.671	406.282	64 1231	44460000A
28VDC-28VDC-COIL-1/2-		LAB	77.605	3.00151	64 1199	44460000A
SIZE-CRYSTAL-CAN-10-PIN					64 1217	44464000A
ARMATURE-OPDT-CONTACT-24.		LAB	26.7625	2	64 1217	44464000A
28VDC-12VDC-COIL.						
CRYSTAL-CAN.						
ARMATURE-OPDT-CONTACT-24.		LAB	13.3949	66	64 1217	44468000A
28VDC-28VDC-COIL-CRYSTAL-						
CAN-MICROINITIATOR-9-PIN-						
ARMATURE-OPDT-CONTACT-24.		LAB	1.77319	1464	64 1217	44470000A
28VDC-COIL-CRYSTAL-CAN.						
MICROINITIATOR-9-PIN						
ARMATURE-GENERAL-PURPOSE		SIM AIR	18.1192		64 1195	44472000A
ARMATURE-GENERAL-PURPOSE		SHP	28.0373	44.2504	64 1104	44474000A
ARMATURE-CT-TAMP-CLC		SHP	7.61021	12.6864	64 1126	44476000A
ARMATURE-MICROINITIATOR		SIM AIR	12.4378	5.66	64 1195	44478000A
ARMATURE-SEAL-EC		GRD	133.754		64 1180	44480000A
ARMATURE-SENSING-OPDT.		LAB	10.4503	38	64 1217	44482000A
CONTACT-24-28VDC-28VDC-						
COIL-9-PIN						

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	QOL RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	TR	CRSIS
PART DESCRIPTION							OF DATA	RPT SPEC PER
.00 M.O.C.								
ARMATURE-SENSING-4PDI- CONTACT-2A-28VDC-28VDC- COIL			LAB	0	12.802	14	10247	92 1217 44542000A
ARMATURE-TERMINAL				4			64 281	44542000
ARMATURE-TERMINAL				19.9			64 281	44542000
ARMATURE-TERMINAL				59.9			64 281	44542000
ARMATURE-TERMINAL				104.9			64 281	44542000
ARMATURE-TIME-DELAY-45- SECOND-OPDI-CONTACT-2A- 28VDC/115VAC-2-COILS.			LAB	0	173.127	4	65 1217	44542000A
ARMATURE-0-100MA-CLC				8.10022	11.4982		61 1126	44542000
ARMATURE-1-CONTACT-SET			SHP	0	5.97317		61 1126	44542000
ARMATURE-1-CONTACT-SET			SHP	43.65	54.3457		61 1126	44542000
ARMATURE-1-CONTACT-SET.			AIR	29.8436	35.3581		61 1126	44542000
0-100MA-CLC				50.025	76.9417		61 1126	44542000
ARMATURE-1-CONTACT-SET.			AIR	83.9691	111.179		61 1126	44542000
100MA-IAMP-CLC								
ARMATURE-1-CONTACT-SET-GT- IAMP-CLC								
ARMATURE-10-CONTACT-SET			SHP	16.8137	64.744		61 1126	44542000
ARMATURE-100MA-IAMP-CLC			SHP	6.93032	9.83755		61 1126	44542000
ARMATURE-12			SHP	3.36281	8.94895		61 1126	44542000
ARMATURE-12			AIR	61.1416	92.258		61 1126	44542000
ARMATURE-12-CONTACT-SET.			AIR	91.7125	138.587		61 1126	44542000
100MA-IAMP-CLC								
ARMATURE-2-CONTACT-SET			SHP	8.50537	10.7358		61 1126	44542000
ARMATURE-2-CONTACT-SET			AIR	58.3059	77.7065		61 1126	44542000
ARMATURE-2-CONTACT-SET.			AIR	33.35	66.6462		61 1126	44542000
100MA-IAMP-CLC								
ARMATURE-2-CONTACT-SET-GT- IAMP-CLC			AIR	59.0207	136.188		61 1126	44542000
ARMATURE-3-CONTACT-SET			SHP	13.392	20.8076		61 1126	44542000
ARMATURE-3-CONTACT-SET			AIR	42.4628	165.167		61 1126	44542000
ARMATURE-4-CONTACT-SET			SHP	5.02504	6.41783		61 1126	44542000
ARMATURE-4-CONTACT-SET			AIR	31.7801	45.0833		61 1126	44542000
ARMATURE-4-CONTACT-SET.			AIR	21.0064	81.7163		61 1126	44542000
0-100MA-CLC								
ARMATURE-4-CONTACT-SET.			AIR	50.4286	93.5421		61 1126	44542000
100MA-IAMP-CLC								
ARMATURE-4-CONTACT-SET-GT- IAMP-CLC			AIR	19.1228	133.849		61 1126	44542000
ARMATURE-4PDI-CONTACT-10A- 28VDC-30VDC-COIL			LAB	0	115.13	6	65 1217	44542000A
ARMATURE-4PDI-CONTACT-Y- 1/2A-30VDC-28VDC-COIL.			LAB	0	17.5634	34	65 1217	44542000A





ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FATIGUE RATE	UPPER 90 CONF LIMIT	PART P300- LATION	PART HOURS	YR RPT SRC	CROSS INDEX REF NO
PART DESCRIPTION									
-00 M.B.C.									
BOX	ENGINE-CONTROLS	AIR	10.7416	19.925	400		.46548	65	1198 44624000
BOX	ENGINE-CONTROLS	AIR	18.125	62.737	272		.062	63	1114 44624000
BOX	ENGINE-CONTROLS	AIR	41.3687	55.9213	200		.50763	65	1198 44624000
BOX	ENGINE-CONTROLS	AIR	45.3257	63.6022	408		.353	63	1114 44630000
BOX	SERVO-ENGAGE-AUTOPILLOT-SYSTEM	AIR	79.5454	133.76	102		.086	63	1114 44632000
BOX	SERVO-ENGAGE-AUTOPILLOT-SYSTEM	AIR	111.712	162.91	106		.11637	65	1198 44634000
BOX	SERVO-ENGAGE-AUTOPILLOT-SYSTEM	AIR	118.193	187.775	58		.12891	63	1198 44636000
BOX	SERVO-ENGAGE-AUTOPILLOT-SYSTEM	AIR	188.723	264.821	50		.08418	63	1198 44638000
BOX	SERVO-ENGAGE-AUTOPILLOT-SYSTEM	AIR	213.333	299.354	50		.075	63	1114 44640000
BOX	AUTOPILLOT-MA-2	AIR	251.256	559.53	31		.01194	63	1111 44642000
BOX	ENGINE-CONTROLS	AIR	483.604	535.633	700		.33912	63	1198 44644000
BOX	ENGINE-CONTROLS	AIR	491.638	547.789	200		.259	63	1114 44646000
BUSH	MOBILE-INSPECTION-UNIT	GRD	0	26.2853			.0376	62	1141 44648200
CHOPPER	AN/BRN-3	SLM AIR	0	191.883			.012	63	1103 44650000
CHOPPER		LAB	2.82079	7.90555	203		.10902	63	1167 44652000
CHOPPER		LAB	485.844	851.422	6		.01237	63	1273 44654000
CIRCUIT-BREAKER		GEN	.83					61	281 44656000
COAXIAL	10-100-ACTUATIONS/HR	GRD	6A					43	1251 44658000
COAXIAL		GRD	7					63	1098 44660000
CONTACT-MERCURY-WETTED	100-200-ACTUATIONS/HR	GRD	8A					63	1251 44662000
	1201-300-ACTUATIONS/HR	GRD	12A					63	1251 44664000
		LAB	0	.001137C	8		2026C	62	1273 44666000
CONTACTOR	EXT-POWER-AC-POWER-SUPPLY	AIR	8.59320	33.4252	100		.11637	65	1198 44668000
CONTACTOR	EXT-POWER-AC-POWER-SUPPLY	AIR	35.3857	78.8816	50		.08478	63	1198 44670000
CONTACTOR	EXT-POWER-AC-POWER-SUPPLY	AIR	39.3979	73.0808	50		.12491	65	1198 44672000
CONTACTOR	EXT-POWER-AC-POWER-SUPPLY	AIR	40	89.0713	50		.075	63	1114 44674000
CON. ACTOR-GEN-LINE-BUS-TIE	ELECTRICAL-POWER-800	AIR	45.4545	98.8357	102		.086	63	1114 44676000
CONTACTOR-GEN-LINE-BUS-TIE	ELECTRICAL-POWER-800	AIR	40P					66	2360 44678000
CONTACTOR-LOAD- GREATER THAN .00 AMP	ELECTRICAL-POWER-800	AIR	40P					65	2360 44680000
CONTACTOR-REVERSE-CURRENT	ELECTRICAL-POWER-707-1318	MSL	.7					65	2440 44682000
CONTACTOR-REVERSE-CURRENT	ELECTRICAL-POWER-707-1318	AIR	30P					66	2362 44684000
CONTACTOR-REVERSE-CURRENT	ELECTRICAL-POWER-707-1318	AIR	170P					65	2362 44686000
CONTACTOR-BUS-TIE	ELECTRICAL-POWER-331C/373C	AIR	240P					66	2360 44688000
CONTACTOR-GENERAL-LINE-BUS-TIE	ELECTRICAL-POWER-800	AIR	30P					65	2363 44690000
CONTACTOR-GENERAL-LINE-BUS-TIE	ELECTRICAL-POWER-800	AIR	30P					65	2363 44692000
CONTACTOR-GENERAL-LINE-BUS-TIE	ELECTRICAL-POWER-800	AIR	110P					66	2363 44694000
CONTACTORS	EMERGENCY-GENERATOR	AIR	0	615.668	41		.00374	63	1132 44696000
CONTACTORS	AC/LOAD-POWER-CONTROL	GRD	0	1157.88			.00177	64	1100 44698000
CONTACTORS	DC-POWER-SUPPLY	AIR	0	93.1472	48		.02472	65	1227 44700000
CONTACTORS	LOAD-MONITOR-AC-POWER-CONTROL	AIR	0	615.668	41		.00374	63	1132 44702000
CONTACTORS		AIR	0	46.3736	96		.04944	65	1227 44704000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART FABRI- LATION	PART HOURS	YK 8P DATA RPT	CROSS INDEX REF NO
CONTROL	OVERHEAT-AIR-CONDITION-SYSTEM	OVERHEAT-AIR-CONDITION-SYSTEM	AIR	•	46.5736	96	-04944	65	1227 44790000
CONTROL	ALTERNATE-POWER-THRUST-RECEIVER	ALTERNATE-POWER-THRUST-RECEIVER	AIR	•	46.5736	96	-04944	65	1227 44792000
CONTROL	OVERHEAT-LEAK-CTION-BLEED-AIR-MING. PYLON-AC	OVERHEAT-LEAK-CTION-BLEED-AIR-MING. PYLON-AC	AIR	•	46.5736	96	-04944	65	1227 44794000
CONTROL	NAVIGATION-AUS-AC-POWER	NAVIGATION-AUS-AC-POWER	AIR	•	93.1472	48	-02472	65	1227 44796000
CONTROL	MOTOR-UP-FAULT-HYDRAULIC-SYSTEM	MOTOR-UP-FAULT-HYDRAULIC-SYSTEM	AIR	•	46.5736	96	-04944	65	1227 44798000
CONTROL	GENERATOR-EMERGENCY-POWER	GENERATOR-EMERGENCY-POWER	AIR	•	93.1472	48	-02472	65	1227 44800000
CONTROL	OVERHEAT-AIR-CONDITION-SYSTEM	OVERHEAT-AIR-CONDITION-SYSTEM	AIR	•	93.1472	48	-02472	65	1227 44802000
CONTROL	AUXILIARY-POWER-UNIT-CARGO	AUXILIARY-POWER-UNIT-CARGO	AIR	•	93.1472	48	-02472	65	1227 44804000
CONTROL	LOW-LEAK-AIR-CONDITION-SYSTEM	LOW-LEAK-AIR-CONDITION-SYSTEM	AIR	•	46.5736	96	-04944	65	1227 44806000
CONTROL	BLEED-AIR-SYSTEM	BLEED-AIR-SYSTEM	AIR	•	46.5736	96	-04944	65	1227 44808000
CONTROL	UNE-UP-FAULT-SYSTEM-AN/ARA-25	UNE-UP-FAULT-SYSTEM-AN/ARA-25	AIR	•	27.1997	50	-08478	63	1198 44810000
CONTROL	EMERGENCY-DE-ICE-SYSTEM	EMERGENCY-DE-ICE-SYSTEM	AIR	•	5.8217	768	-02472	65	1227 44812000
CONTROL	BATTERY-DC-POWER	BATTERY-DC-POWER	AIR	•	93.1472	48	-02472	65	1227 44814000
CONTROL	PUMP-ACTION-BOOST-HYDRAULIC-SYSTEM	PUMP-ACTION-BOOST-HYDRAULIC-SYSTEM	AIR	•	46.5736	96	-04944	65	1227 44816000
CONTROL	WINCH-RETRIEVAL-AIR-DRUP-SYSTEM	WINCH-RETRIEVAL-AIR-DRUP-SYSTEM	AIR	•	23.2868	192	-09888	65	1227 44818000
CONTROL	SERVO-AUTOPILOT-JUNCTION-BOX	SERVO-AUTOPILOT-JUNCTION-BOX	AIR	•	19.1435	50	-12691	65	1198 44820000
CONTROL	MOTOR-STALL-WARNING-SYSTEM	MOTOR-STALL-WARNING-SYSTEM	AIR	•	19.1435	50	-12691	65	1198 44822000
CONTROL	UNE-UP-FAULT-SYSTEM-AN/ARA-25	UNE-UP-FAULT-SYSTEM-AN/ARA-25	AIR	•	46.5736	96	-04944	65	1227 44824000
CONTROL	EMERGENCY-BUS-AC-POWER	EMERGENCY-BUS-AC-POWER	AIR	•	18.1475	50	-12691	65	1198 44826000
CONTROL	ISO-AIR-CONDITION-SYSTEM	ISO-AIR-CONDITION-SYSTEM	AIR	•	93.1472	48	-02472	65	1227 44828000
CONTROL	AIR-CONDITION-SYSTEM	AIR-CONDITION-SYSTEM	AIR	•	46.5736	96	-04944	65	1227 44830000
CONTROL	AUXILIARY-VENT-AIR-CONDITION. FLIGHT-DECK	AUXILIARY-VENT-AIR-CONDITION. FLIGHT-DECK	AIR	•	18.1435	50	-12691	65	1198 44832000
CONTROL	A-FRAME-AIR-DRUP-SYSTEM	A-FRAME-AIR-DRUP-SYSTEM	AIR	•	23.2868	192	-09888	65	1227 44834000
CONTROL	ALTERNATE-POWER-THRUST-RECEIVER	ALTERNATE-POWER-THRUST-RECEIVER	AIR	•	27.9917	152	-08226	66	1250 44836000
CONTROL	STATIC-HEAD-PILOT-STATIC-SYSTEM	STATIC-HEAD-PILOT-STATIC-SYSTEM	AIR	•	53.9974	304	-1645	66	1250 44838000
CONTROL	ACTION-GROUND-FAULT-HYDRAULIC-SYSTEM	ACTION-GROUND-FAULT-HYDRAULIC-SYSTEM	AIR	•	27.9917	152	-08226	66	1250 44840000
CONTROL	A-FRAME-AIR-DRUP-SYSTEM	A-FRAME-AIR-DRUP-SYSTEM	AIR	•	13.9974	304	-1645	66	1250 44842000
CONTROL	INTERIOR-ILLUMINATION	INTERIOR-ILLUMINATION	AIR	•	3.99895	1064	-5758	66	1250 44844000
CONTROL	CABIN-PRESSURE-PUMP-AIR-CONDITION	CABIN-PRESSURE-PUMP-AIR-CONDITION	AIR	•	27.9917	152	-08226	66	1250 44846000
CONTROL	WINCH-RETRIEVAL-AIR-DRUP-SYSTEM	WINCH-RETRIEVAL-AIR-DRUP-SYSTEM	AIR	•	13.9974	304	-1645	66	1250 44848000
CONTROL	ELECTRICAL-COOLING-SYSTEM	ELECTRICAL-COOLING-SYSTEM	AIR	•	55.9834	76	-04113	66	1250 44850000
CONTROL	BUS-OFF-INDICATOR-DC-POWER-DISTRIBUTION	BUS-OFF-INDICATOR-DC-POWER-DISTRIBUTION	AIR	•	18.6596	228	-1234	66	1250 44852000
CONTROL	DC-POWER	DC-POWER	AIR	•	55.9834	76	-04113	66	1250 44854000
CONTROL	OVERHEAT-INTERIOR-ILLUMINATION	OVERHEAT-INTERIOR-ILLUMINATION	AIR	•	3.29519	1292	-6942	66	1250 44856000
CONTROL	OVERHEAT-BLEED-AIR-DETECTION	OVERHEAT-BLEED-AIR-DETECTION	AIR	•	55.9834	76	-04113	66	1250 44858000
CONTROL	AUXILIARY-POWER-UNIT-CARGO	AUXILIARY-POWER-UNIT-CARGO	AIR	•	55.9834	76	-04113	66	1250 44860000
CONTROL	FUEL-SHUT-OFF-AUXILIARY-POWER-UNIT	FUEL-SHUT-OFF-AUXILIARY-POWER-UNIT	AIR	•	55.9834	76	-04113	66	1250 44862000
CONTROL	NAVIGATION-BUS-AC-POWER	NAVIGATION-BUS-AC-POWER	AIR	•	55.9834	76	-04113	66	1250 44864000
CONTROL	OVERHEAT-DETECTION-BLEED-AIR-MING. PYLON-AC	OVERHEAT-DETECTION-BLEED-AIR-MING. PYLON-AC	AIR	•	27.9917	152	-08226	66	1250 44866000

COO N.O.C.

HOME AIR DEVELOPMENT CENTER, GRIFFESS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	COI RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	INDEX
PART DESCRIPTION								REF	ING
CONTROL		LOW-LIMIT-AIR-CONDITION-SYSTEM	AIR	6	27.9417	132	.06226	66	1230
CONTROL		OVERHEAT-AIR-CONDITION-SYSTEM	AIR	6	27.9417	132	.06226	66	1230
CONTROL		ISOLATED-BUS-AC-POWER	AIR	6	55.9634	76	.04113	66	1230
CONTROL		FUEL-SYSTEM	AIR	1-27959	4.97722	1444	.7815	66	1230
CONTROL		FUEL-SYSTEM	AIR	2.1291	3.20159	912	.46968	65	1227
CONTROL		EMPENAGE-DE-ICE-SYSTEM	AIR	3.03951	8.0886	1216	.078	66	1230
CONTROL		FUEL-SYSTEM	GRD	3.17611	6.34711	136	1.2594	65	1218
CONTROL		FUEL-SYSTEM	AIR	4.42327	9.95034	400	.67823	65	1198
CONTROL		INTERIOR-LIGHTING	AIR	5.00834	11.1532	460	.579	63	1114
CONTROL		AIR-CONDITION-SYSTEM	AIR	5.77901	15.3788	672	.34608	65	1227
CONTROL		PUMP-SUNCTION-BOOST-HYDRAULIC-SYSTEM	AIR	12.1565	47.2854	152	.06226	66	1230
CONTROL		HUS-OFF-INDICATOR-DC-POWER-DISTRIBUTION	AIR	12.1565	47.2854	152	.06226	66	1230
CONTROL		EMERGENCY-LIGHT-SYSTEM	AIR	13.4843	52.4501	144	.07416	65	1227
CONTROL		EMERGENCY-LIGHT-SYSTEM	AIR	13.4843	52.4501	144	.07416	65	1227
CONTROL		EMERGENCY-LIGHT-SYSTEM	AIR	15.7593	22.6374	350	.86834	65	1198
CONTROL		EMERGENCY-LIGHT-SYSTEM	AIR	16.2074	43.1304	228	.1234	66	1230
CONTROL		LIGHTING-SYSTEM	AIR	17.1853	45.1736	100	.11637	65	1198
CONTROL		LIGHTING-SYSTEM	AIR	17.7993	26.8578	714	.618	63	1114
CONTROL		VALVE-PRESSURE-REGULATOR	AIR	20.2265	78.6751	96	.04944	65	1227
CONTROL		STALL-WARNING-SYSTEM	AIR	20.2265	53.8258	192	.09888	55	1227
CONTROL		PUMP-NO-3-HYDRAULIC-SYSTEM	AIR	20.2265	78.6751	96	.04944	65	1227
CONTROL		FUEL-SYSTEM	AIR	22.7272	60.4606	102	.088	63	1114
CONTROL		SERVO-AUTOPILLOT-JUNCTION-BOX	AIR	23.5004	62.7777	50	.08478	63	1118
CONTROL		PUMP-NO-3-HYDRAULIC-SYSTEM	AIR	24.3131	64.7009	152	.09226	66	1230
CONTROL		VALVE-PRESSURE-REG-AIR-CONDITION	AIR	24.3131	64.7009	152	.09226	66	1230
CONTROL		EMERGENCY-BUS-AC-POWER	AIR	24.3131	94.5708	76	.04113	66	1230
CONTROL		REVERSE-CURRENT-ISBL-DC-POWER	AIR	24.3131	94.5708	76	.04113	66	1230
CONTROL		BATTERY-DC-POWER	AIR	24.3131	94.5708	76	.04113	66	1230
CONTROL		STALL-WARNING-SYSTEM	AIR	24.3161	48.543	504	.1245	66	1230
CONTROL		SERVO-AUTOPILLOT-JUNCTION-BOX	AIR	26.6666	70.954	50	.075	63	1114
CONTROL		DC-POWER-SUPPLY	AIR	27.9251	74.313	184	.07162	63	1111
CONTROL		FUEL-SYSTEM	AIR	30.3951	56.3811	304	.1645	66	1230
CONTROL		ESS-BUS-AC-POWER	AIR	31.5183	62.9859	50	.12691	65	1198
CONTROL		OVERHEAT-RAIN-REMOVAL-SYSTEM	AIR	40.453	107.651	56	.04944	65	1227
CONTROL		HEATER-PITOT-STATIC-SYSTEM	AIR	40.453	107.651	56	.04944	65	1227
CONTROL		ELECTRONIC-COOLING-SYSTEM	AIR	46.453	157.33	48	.02472	65	1227
CONTROL		ELECTRONIC-COOLING-SYSTEM	AIR	46.453	157.33	48	.02472	65	1227
CONTROL		OVERHEAT-RAIN-REMOVAL-SYSTEM	AIR	48.6263	129.401	76	.04113	66	1230
CONTROL		MAIN-REVERSE-CURRENT-DC-POWER	AIR	48.6263	97.1742	152	.08226	66	1230
CONTROL		ESS-BUS-AC-POWER	AIR	48.6263	97.1742	152	.08226	66	1230
CONTROL		BLEED-AIR-SYSTEM	AIR	60.6796	106.513	192	.09848	65	1227
CONTROL		LIGHTING-SYSTEM	AIR	60.7828	112.748	152	.08226	66	1230
CONTROL		FUEL-SYSTEM	AIR	66.6666	259.313	68	.015	63	1114
CONTROL		FUEL-SYSTEM	AIR	66.6666	259.313	68	.015	63	1114

.00 N-6-C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 3  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	GOI DELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRC	REF NO
-00 N.R.C.									
CONTROL	2-NORMALLY-OPEN-CONTACTS	GENERATOR-EMERGENCY-POWER	AIR	72.9294	162.431	76	-04113	66	1250 44954000
CONTROL	CONTROL-DR-POWER	BOMB-NAVIGATION-SYSTEM	AIR	93.752	325.27	31	-01194	63	1111 44945000
CONTROL	CONTROL-HEAT	ENGINE-FIRE-WARNING	AIR	85.5578	121.448	812	-17532	66	1179 44954000
CONTROL	CONTROL-HEAT-MI/NORMAL	ENGINE-FIRE-WARNING	AIR	87.512	118.318	946	-22854	62	1228 44954000
CONTROL	CONTROL-HEAT-MI/NORMAL	LIGHTING-SYSTEM	AIR	117.982	181.725	50	-08475	63	1198 44954000
CONTROL	CONTROL-HEAT-MI/NORMAL	LIGHTING-SYSTEM	AIR	120	185.413	50	-075	63	1114 44954000
CONTROL	CONTROL-HEAT-MI/NORMAL	AC-POWER	AIR	121.565	225.497	76	-04113	66	1250 44954000
CONTROL	CONTROL-HEAT-MI/NORMAL	FUEL-SYSTEM	AIR	154.679	212.737	180	-11237	65	1192 44954000
CONTROL	CONTROL-HEAT-MI/NORMAL	ENGINE-FIRE-WARNING	AIR	170.894	188.266	1104	-10351	67	1772 44928000
CONTROL	CONTROL-HEAT-MI/NORMAL	ENGINE-FIRE-WARNING	LAB	2.06654	4.12975		-1.9356	64	2212 44957000
CONTROL	CONTROL-HEAT-MI/NORMAL	IV-CAMERA-COMPARTMENT-ANTI-ICE	AIR	*	93.1472	48	-02472	65	1227 44974000
CONTROL	CONTROL-HEAT-MI/NORMAL	WINDSHIELD-DE-ICE	AIR	*	27.1597	50	-08478	63	1196 44974000
CONTROL	CONTROL-HEAT-MI/NORMAL	WINDSHIELD-DE-ICE	AIR	70.2265	45.041	288	-14832	65	1227 44974000
CONTROL	CONTROL-HEAT-MI/NORMAL	AUXILIARY-POWER-UNIT	AIR	81.0372	215.692	456	-02468	66	1250 44980000
CONTROL	CONTROL-HEAT-MI/NORMAL	AUXILIARY-POWER-UNIT	AIR	*	93.1472	48	-02472	65	1227 44980000
CONTROL	CONTROL-HEAT-MI/NORMAL	AUXILIARY-POWER-UNIT	AIR	*	55.4834	76	-04113	66	1250 44984000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	1.56785	2.91596	1163	6.428	65	1167 45002000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	*	523318C	1	4.4C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	*	523318C	1	4.4C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	*	523318C	2	8.8C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	*	523318C	2	8.8C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	0.012A	261659C	2	8.8C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	0.1996C	777784C	2	3.001C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	227273C	804230C	1	4.4C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	257931C	1.50327C	1	3.077C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	1.7639C	6.54831C	1	1.54C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	3.96825C	10.5401C	2	3.04C	63	1273 45004000
CRYSTAL-CAN	CRYSTAL-CAN-HALF-SIZE	(STORAGE)	LAB	147.368	211.873		-0.95	63	1273 45004000
CURRENT-SENSING	CURRENT-SENSING	ELECTRICAL-COILING-SYSTEM	AIR	*	46.5736	56	-04944	63	1227 45028000
CURRENT-SENSING	CURRENT-SENSING	ELECTRICAL-COILING-SYSTEM	AIR	20.2245	78.6751	96	-04944	63	1227 45028000
CURRENT-SENSING	CURRENT-SENSING	ELECTRICAL-COILING-SYSTEM	AIR	36.4657	81.2136	152	-08226	64	1750 45032000
CURRENT-SENSING	CURRENT-SENSING	ELECTRICAL-COILING-SYSTEM	AIR	153.722	201.776	152	-08226	66	1250 45034000
CURRENT-SENSING	CURRENT-SENSING	ELECTRICAL-COILING-SYSTEM	GRU	723760	1.92599	256	-2.7634	64	1216 45034000

NAME: AIR DEVELOPMENT CENTER, OFFICE AFB, N.Y.  
 FUNCTION: AIRCRAFT MAINTENANCE DATA

NAME: AIRCRAFT MAINTENANCE DATA

DATE: 1960

TEST CLASS	TEST RESULTS	FUNCTIONAL APPLICATION	FAILURE RATE	REPAIR COST	PART	POPULATION	PERCENT	DATA INDEX	CRISIS
NAME DESCRIPTION									
DC-100	DC-100	AUTOPILOT-CONTROL-BOX	0	19.7668	100	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	AUTOPILOT-CONTROL-BOX	0	21.1597	90	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	AUTOPILOT-CONTROL-BOX	7.8746	30.6492	50	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	AUTOPILOT-CONTROL-BOX	11.3636	44.3811	102	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	13.9575	304	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	23.2668	192	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	96.4641	62	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	24.1109	246	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	192.847	31	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	96.4641	62	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	64.3604	93	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	5.2356	162.953	62	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	41.8935	162.953	62	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	82.752	323.17	31	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	167.504	445.753	31	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	32.1502	186	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	64.3704	93	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	48.2219	124	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	96.4641	62	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	21.4334	279	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	46.5736	96	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	20.2263	78.6791	96	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	20.9424	81.4596	124	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	192.847	31	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	48.2219	124	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	83.7871	222.97	62	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	47.1284	74.3769	1149	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	12.1365	47.2854	152	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	4428.07		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	26.2853		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	1.33504C	10	0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	40P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	40P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	2.55	70P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	60P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	80P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	90P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	130P		0.0000	0.0000	0.0000	0.0000
DC-100	DC-100	BLEED-AIR-DETECTION-AUXILIARY-POWER-UNIT-CARDS	0	170P		0.0000	0.0000	0.0000	0.0000



# HOME AIR DEVELOPMENT CENTER, MISSISSIPPI, A.P. 6.V. SECTION 1 FAILURE RATE DATA

COMMERCIAL PART FAILURE RATE DATA

AUGUST 1969

PART CLASS	PART DESCRIPTION	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT DATA	FAILURE RATE	UPPER 90 CONF LIMIT	PART TYPE	DATA INCH	CASES
600 M.B.C.									
SW-CIRCUIT	(STORAGE)								
DRY-CIRCUIT-GENERAL-PURPOSE	(120VDC-900MA)			LAD	.5	.64447C	2.5931BC 10	1.5C	64 2815 43192000
DDDT-750VDC-750MA									69 1185 43194000A
DRY-CIRCUIT-GENERAL-PURPOSE	(120VDC-900MA)			LAD	0	1.53506C 10		1.5C	65 1185 43194000A
DDDT-750VDC-750MA									
ENGINE-FIRE-DETECTION	FIRE-PROTECTION-707-331			AIR	620P				64 2362 43198000
ENGINE-FIRE-DETECTOR	FIRE-PROTECTION-707-331			AIR	1020P				65 2362 43200000
EXT-POWER-BOY-CT-INIT				AIR	.21P				65 2590 43202000
EXT-POWER	ELECTRICAL-POWER-800			AIR	.4P				65 2590 43204000
EXT-POWER	ELECTRICAL-POWER-800			AIR	150P				64 2362 43205000
EXT-POWER-CONTACTOR				AIR	300P				64 2362 43206000
EXT-POWER-INTERLOCK				AIR	.1P				65 2590 43210000
EXT-POWER-INTERLOCK				AIR	.21P				65 2590 43212000
EXT-POWER-INTERLOCK				AIR	0	19.7440	50	.11637	65 1198 43214000
EXT-POWER-INTERLOCK				AIR	0	21.1947	50	.09470	63 1198 43216000
EXT-POWER-INTERLOCK				AIR	11.3434	24.2011	102	.094	62 1114 43218000
EXT-POWER-INTERLOCK				AIR	15.7561	41.0573	50	.12691	65 1192 43220000
EXT-POWER-INTERLOCK				AIR	60P				64 2361 43222000
EXT-POWER-INTERLOCK				AIR	70P				64 2362 43224000
EXT-POWER-INTERLOCK				AIR	70P				65 2364 43226000
EXT-POWER-INTERLOCK				AIR	70P				65 2361 43228000
EXT-POWER-INTERLOCK				AIR	70P				64 2361 43230000
EXT-POWER-INTERLOCK				AIR	70P				64 2364 43232000
EXT-POWER-INTERLOCK				AIR	60P				65 2363 43234000
EXT-POWER-INTERLOCK				AIR	60P				65 2362 43236000
EXT-POWER-INTERLOCK				AIR	140P				64 2362 43238000
EXT-POWER-INTERLOCK				AIR	160P				64 2361 43240000
EXT-POWER-INTERLOCK				AIR	.12P				65 2370 43242000
EXT-POWER-INTERLOCK				AIR	.05P				65 2590 43244000
EXT-POWER-INTERLOCK				AIR	1435.81	1993.75		.01184	66 2132 43246000
EXT-POWER-INTERLOCK				NSL	8.34				57 211 43248000
EXT-POWER-INTERLOCK				AIR	52.3				57 211 43250000
EXT-POWER-INTERLOCK				AIR	79.7				57 211 43252000
EXT-POWER-INTERLOCK				NSL	120				57 211 43254000
EXT-POWER-INTERLOCK				AIR	250.4				57 211 43256000
EXT-POWER-INTERLOCK				LAP	0	69.4447	63	.0331	64 1223 43258000A
EXT-POWER-INTERLOCK				LAP	0	164.372	27	.01304	64 1154 43260000
EXT-POWER-INTERLOCK				LAP	0	69.4447	63	.0331	64 1223 43262000A
EXT-POWER-INTERLOCK				LAP	0	164.372	27	.01304	64 1154 43264000
EXT-POWER-INTERLOCK				LAP	0	340.851	1	.09474	65 1159 43266000A
EXT-POWER-INTERLOCK				LAP	.25				62 2240 43268000A
EXT-POWER-INTERLOCK				LAP	.25				63 1138 43270000
EXT-POWER-INTERLOCK				GEN	.945				61 1079 43272000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1956

PART CLASS	DOI RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA	SAFETY INDEX
PART DESCRIPTION									
GENERAL-PURPOSE			SEM	2-23007	5-02211		1-102	62	1079 42274900
GENERAL-PURPOSE			GAD	6				63	1098 45275000
GENERAL-PURPOSE		-10-100-ACTUATIONS/HR)	GRD	6A				65	1251 43279500
GENERAL-PURPOSE		-1101-200-ACTUATIONS/HR)	GRD	9A				65	1251 45280000
GENERAL-PURPOSE		-1201-300-ACTUATIONS/HR)	GRD	12A				65	1251 45280000
GENERAL-PURPOSE			AIR	12				61	1068 45284500
GENERAL-PURPOSE			AIR	9	40-2319	124	504779	63	1111 45284000
AC-POWER-SYSTEM									
GENERAL-PURPOSE-OPOT.20-1/2VDC.1-1/2A-8UMPS-		-1135VDC.125MA)	LAS	0	1-53506C	10	1-5C	65	1185 45280000A
2032903									
GENERAL-PURPOSE-OPOT.20-1/2VDC.2A-8UMPS-		-1115VAC.100MA)	LAS	0	15-3506C	10	-13C	65	1185 45290000A
2032691-3									
GENERAL-PURPOSE-OPOT.20-1/2VDC.2A-8UMPS-		-126VDC.500MA)	LAS	1-33333C	3-5482C	10	1-5C	65	1185 45292000A
2032691-9									
GENERAL-PURPOSE-OPOT.20-1/2VDC.2ABUMPS-		-1115VAC.400MA)	LAS	0	15-3506C	10	-13C	65	1185 45294000A
2032782									
GENERAL-PURPOSE-OPOT.28VDC.2A-8UMPS-2052692-13		-1115VAC.1A)	LAS	0	15-3506C	10	-13C	65	1185 45296000A
GENERAL-PURPOSE-OPOT.20-1/2VDC.2A-8UMPS-		-1115VAC.400MA)	SIM AIR	0	55-2224	660	-042	64	1139 45298000
2052691-9			LAS	0	15-3506C	10	-13C	65	1185 45300000A
GENERAL-PURPOSE-OPOT.20-1/2VDC.2A-8UMPS-2052708		ELECTRICAL-SYSTEM	AIR	56-2274	65-3719	660	2-2604	65	1196 45302000
GENERATOR/MS-YIF		GLASS-REED-ULTRA-MINIATURE. (60CPS-RESISTIVE-LOAD)	LAS	.000508C	.001132C	100	5900C	U	2430 45304000A
GLASS-REED-ULTRA-MINIATURE. (60CPS-RESISTIVE-LOAD.12VDC)			LAS	.000402C	.001071C	150	4970C	U	2430 45304000A
0.5AMP								U	2430 45308000A
GLASS-REED-MICRO-MINIATURE. (60CPS-RESISTIVE-LOAD.12VDC)			LAS	.001442C	.003212C	60	2000C	U	2430 45310000A
0.5AMP								U	2430 45310000A
GLASS-REED-MICRO-MINIATURE. (60CPS-RESISTIVE-LOAD.8VDC)			LAS	.060343C	.086755C	50	232C	U	2430 45310000A
0.5AMP								U	2430 45318000A
GLASS-REED-MICRO-MINIATURE. (25CPS-RESISTIVE-LOAD.8VDC)			LAS	.207407C	.267259C	50	139C	U	2430 45318000A
0.5AMP								U	2430 45318000A
GLASS-REED-MINIATURE.0.5AMP (100CPS-MECHANICAL-LOAD)			LAS	0	.020059C	12	2400C	U	2430 45314000A
GLASS-REED-MINIATURE.0.5AMP (100CPS-MECHANICAL-LOAD)			LAS	0	.001265C	12	1820C	U	2430 45314000A
GLASS-REED-MINIATURE.0.5AMP (60CPS-MECHANICAL-LOAD)			LAS	0	.00044C	36	3600C	U	2430 45316000A
GLASS-REED-MINIATURE.0.5AMP (40CPS-INDUCTIVE-LOAD.120VAC)			LAS	0	.747538C	10	3C	U	2430 45320000A
GLASS-REED-MINIATURE.0.5AMP (20PS-RESISTIVE-LOAD.8VDC)			LAS	0	.019180C	50	120C	U	2430 45323000A
GLASS-REED-MINIATURE.0.5AMP (20PS-RESISTIVE-LOAD.8VDC)			LAS	0	.011513C	50	200C	U	2430 45323000A
GLASS-REED-MINIATURE.0.5AMP (90PS-RESISTIVE-LOAD.8VDC)			LAS	0	.001157C	12	1900C	U	2430 45323000A
GLASS-REED-MINIATURE.0.5AMP (20CPS-RESISTIVE-LOAD.8VDC)			LAS	0	.011513C	50	180C	U	2430 45323000A
GLASS-REED-MINIATURE.0.5AMP (100CPS-RESISTIVE-LOAD.24VDC)			LAS	0	.00307C	18	780C	U	2430 45323000A

BOOM AIR DEVELOPMENT CENTER, OFFICE AFB, MO.  
SECTION I FAILURE RATE DATA

RELUCTANCE, PART FAILURE RATE DATA

January 1969

PART CLASS	Q31 RELAYS	FAILURE RATE	90 COMP (TWT)	PART POPU-LATION	PART HOURS	YR	DATA SOURCE
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT					
.00 N.O.C.							
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.007679C 15	300C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.01999C 12	144C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.25824C 10	10C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.002093C 12	1100C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.001437C 12	2670C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.000785C	1419C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.000432C	1036C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.001932C	1035C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.003103C	5345C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	200CPS-RESISTIVE-LOAD-20VDC	LAB	.004878C	100	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	100CPS-INDUCTIVE-LOAD-12VDC	LAB	.013245C	904C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.013667C	120C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.024616C	510C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	200CPS-RESISTIVE-LOAD-20VDC	LAB	.048814C 50	190C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.072193C 50	160C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.069004C 44	290C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.099025C 44	250C	U	2430	45336000A
GLASS-REED-MINIATURE-0.5AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.012115C 12	170C	U	2430	45336000A
MERCURY-WETTED-3AMP							
GLASS-REED-STANDARD	120CPS-RESISTIVE-LOAD-20VDC	LAB	.009594C 14	240C	U	2430	45336000A
MERCURY-WETTED-3AMP							
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.001771C 12	1300C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.004312C 4	334C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-RESISTIVE-LOAD-12VDC	LAB	.006396C 10	360C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.002578C 12	800C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-MECHANICAL-LOAD	LAB	.000822C 12	2800C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-MECHANICAL-LOAD	LAB	.001212C 11	1900C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.000822C 12	2800C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	150CPS-RESISTIVE-LOAD-20VDC	LAB	.045149C 15	51C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.000423C 150	1494C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	150CPS-INDUCTIVE-LOAD-6VDC	LAB	.012311C 8	3400C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	RING-TEST	LAB	.000143C	150C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.000242C	7000C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.000280C	1242C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.001114C	1390C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	100CPS-RESISTIVE-LOAD-20VDC	LAB	.001496C	84C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.003824C	200C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.006024C	1045C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.769231C	163C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	6.67111C	13C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	233.809C	.1499C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.000833C	.170C	U	2430	45336000A
GLASS-REED-STANDARD-1-AMP	120CPS-RESISTIVE-LOAD-20VDC	LAB	.002218C 34	2400C	U	2430	45336000A



# HOME AIR DEVELOPMENT COMPANY, INC. - SHELBY, MISSISSIPPI

SECTION 1 - PARTIAL DATA

PART CLASS	QTY	RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENTAL DATA	UPPER PART POPULATION LIMIT	PART NUMBER	VS OF DATA INDEX RPT SINCE REF NO	CROSS
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-120CPH)	LIFE LAB .851		63 2770 45470000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-120CPH)	LIFE ACC .91		63 2770 45470000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-30CPH)	LIFE ACC 1.054		63 2770 45480000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(35VDC-COIL-VOLTAGE-120CPH)	LIFE ACC 1.178		63 2770 45482000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(28VDC-COIL-VOLTAGE-60CPH)	LIFE LAB 1.223		63 2770 45484000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-120CPH)	LIFE ACC 1.37		63 2770 45486000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-30CPH)	LIFE ACC 1.37		63 2770 45488000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(28VDC-COIL-VOLTAGE-40CPH)	LIFE LAB 1.764		63 2770 45490000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(28VDC-COIL-VOLTAGE-60CPH)	LIFE ACC 1.899		63 2770 45492000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(28VDC-COIL-VOLTAGE-40CPH)	LIFE ACC 2.273		63 2770 45494000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(28VDC-COIL-VOLTAGE-60CPH)	LIFE LAB 2.283		63 2770 45496000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(35VDC-COIL-VOLTAGE-30CPH)	LIFE ACC 2.406		63 2770 45498000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-90CPH)	LIFE ACC 2.833		63 2770 45500000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(21VDC-COIL-VOLTAGE-30CPH)	LIFE LAB .822		63 2770 45502000A		
INTEGRAL-CAPACITOR-SPOT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.			(28VDC-COIL-VOLTAGE-22.5CPH)	LIFE LAB .193		63 2770 45504000A		

ROM AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR DATA INDEX	CROSS REF NO
PART DESCRIPTION									
00 N.O.C.									
INTEGRAL-CAPACULAR-SPDT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.		(28VDC-COIL-VOLTAGE-160CPM)	LIFE LAB	.432				63 2770	45506000A
INTEGRAL-CAPACULAR-SPDT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.		(28VDC-COIL-VOLTAGE-160CPM)	LIFE ACC	.640				63 2770	45508000A
INTEGRAL-CAPACULAR-SPDT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.		(18VDC-COIL-VOLTAGE-60CPM)	LIFE ACC	.878				63 2770	45510000A
INTEGRAL-CAPACULAR-SPDT-1-AMP-28VDC-CONTACT-VOLTAGE-125C.		(18VDC-COIL-VOLTAGE-60CPM)	LIFE LAB	1.1				63 2770	45512000A
INVERTER-FAILURE			AIR	.131				65 2590	45514000
JM6D-TYPE			AIR	.219				65 2590	45516000
JSH-TYPE			SHP	3.39556	9.03616	132	.529	65 1243	45518000
KEYING			SHP	.44287	1.12854	1012	4.516	63 1243	45520000
KHJB-TYPE			GEM	6.84				61 2M1	45522000
LATCHING			SHP	2.26372	4.92379	396	1.767	65 1243	45524000
LATCHING			SAT	.618725	.618725	408	3.7215	63 1226	45526000
LATCHING			GRD	.7	42.9269	15	.05364	65 1189	45528000A
LATCHING-GENERAL-PURPOSE-BUREPS-2052757-2			LAB	.7	1.235065	10	1.50	63 1078	45530000
LATCHING-GENERAL-PURPOSE-DPOT-28VDC-2A-BUREPS-			LAB	.7	1.534060	10	1.50	65 1185	45534000A
LATCHING-GENERAL-PURPOSE-4POT-26-17/VDC-2A-BUREPS-2052662		(115VAC-50MA)	LAB	.7	1.535060	10	1.52	65 1183	45536000A
LATCHING-MAGNETIC			GRD	.7	172.997		.01331	64 1180	45538000
LATCHING-MAGNETIC			GEM	10.327	18.1279		.581	62 1078	45540000
LATCHING-MAGNETIC-MIL-GRADE		(10-100-ACTUATIONS/MR)	GRD	2.5A				65 1251	45542000
LATCHING-MAGNETIC-MIL-GRADE		(101-200-ACTUATIONS/MR)	GRD	3.7A				63 1251	45544000
LATCHING-MAGNETIC-MIL-GRADE		(201-300-ACTUATIONS/MR)	GRD	3A				65 1251	45546000
LAUNCH-TUBE-PANEL-ASSEMBLY			SUB	140.056	372.71	60	.01428	65 1251	45548000
MAGNETIC			SIM AIR	.7	109.961	40	.02094	64 1151	45550000A
MAGNETIC			AIR GND	4.10950	9.14178		.73	62 1087	45552000
MAGNETIC			SIM AIR	4.47087	17.3903	216	.22367	64 1150	45554000A
MAGNETIC			AIR GND	11.2827	14.2763		2.93	61 1887	45556758
MAIN/ESS-BUS-T-RV			AIR	.51P				65 2590	45558000
MERCURY		(10-100-ACTUATIONS/MR)	GRD	2.5A				65 1251	45560000
MERCURY		(101-200-ACTUATIONS/MR)	GRD	3.7A				65 1251	45562000
MERCURY		(201-300-ACTUATIONS/MR)	GRD	3A				65 1251	45564000
MERCURY-METEC		(STORAGE)	MSL	.002				65 2440	45566000
MHJB-TYPE			SHP	4.68431	5.69979	2200	9.82	65 1243	45568000
MHJD-TYPE			SHP	3.88625	4.78570	2365	10.55	65 1243	45570000

PART CLASS		601 DELAYS		FUNCTIONAL APPLICATION		ENVIRONMENT		UPPER		PART		CRSS	
PART DESCRIPTION		601 DELAYS		FUNCTIONAL APPLICATION		ENVIRONMENT		UPPER		PART		CRSS	
-00 N.O.C.		601 DELAYS		FUNCTIONAL APPLICATION		ENVIRONMENT		UPPER		PART		CRSS	
INIT-TYPE													
MICROMIN-CRYSTAL-CAN				(STORAGE)		SMP		3.09165	19.8049	44		65	1243 45572000
MICROMINIATURE				(STORAGE)		RSL		.01				65	2440 45574000
MICROMINIATURE				(STORAGE)				59.041				66	2520 45576000
MICROMINIATURE				(STORAGE)				29.5944				65	2315 45578000
MICROMINIATURE				(STORAGE)				.01				66	2415 45580000
MICROMINIATURE				(STORAGE)				.25				65	1138 45582000
MICROMINIATURE				(STORAGE)				250				57	21 45584000
MICROMINIATURE				(STORAGE)				3.5A				65	1291 45586000
MICROMINIATURE				(STORAGE)				1.2A				65	1251 45588000
MICROMINIATURE				(STORAGE)				7A				65	1251 45590000
MICROMINIATURE				(STORAGE)				3A				65	1251 45592000
MICROMINIATURE				(STORAGE)				4.5A				65	1251 45594000
MICROMINIATURE				(STORAGE)				6A				65	1291 45596000
MICROMINIATURE				(STORAGE)				100				65	1215 45598000
MICROMINIATURE				(STORAGE)				133.333				65	1215 45600000
MICROMINIATURE				(STORAGE)				.44				65	1138 45602000
MICROMINIATURE				(STORAGE)				13.7222				65	1251 45604000
MICROMINIATURE				(STORAGE)				172.997				65	1251 45606000
MICROMINIATURE				(STORAGE)				4.1309				65	1251 45608000
MICROMINIATURE				(STORAGE)				.06				65	1138 45610000
MICROMINIATURE				(STORAGE)				2.5				65	1086 45612000
MICROMINIATURE				(STORAGE)				25				65	1086 45614000
MICROMINIATURE				(STORAGE)				250				65	1138 45616000
MICROMINIATURE				(STORAGE)				.7				65	1138 45618000
MICROMINIATURE				(STORAGE)				750				65	1138 45620000
MICROMINIATURE				(STORAGE)				.018049				65	1273 45622000
MICROMINIATURE				(STORAGE)				.108293				65	1273 45624000
MICROMINIATURE				(STORAGE)				.15343				65	1273 45626000
MICROMINIATURE				(STORAGE)				124.018				65	1138 45628000
MICROMINIATURE				(STORAGE)				276.18				65	1138 45630000
MICROMINIATURE				(STORAGE)				665.287				65	1138 45632000
MICROMINIATURE				(STORAGE)				5.43				65	2362 45634000
MICROMINIATURE				(STORAGE)				340P				66	1226 45636000
MICROMINIATURE				(STORAGE)				1.0262				65	1241 45638000
MICROMINIATURE				(STORAGE)				27.0992				65	2440 45640000
MICROMINIATURE				(STORAGE)				.05				65	2590 45642000
MICROMINIATURE				(STORAGE)				.08P				65	2590 45644000
MICROMINIATURE				(STORAGE)				.1P				66	2363 45646000
MICROMINIATURE				(STORAGE)				80P				66	2363 45648000
MICROMINIATURE				(STORAGE)				150P				66	2363 45650000
MICROMINIATURE				(STORAGE)				220P				66	2363 45652000
MICROMINIATURE				(STORAGE)				300P				66	2363 45654000
MICROMINIATURE				(STORAGE)				150P				66	2363 45656000
MICROMINIATURE				(STORAGE)				19.7				66	2363 45658000

## SECTION I: FAILURE RATE DATA

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ROME AIR DEVELOPMENT CENTER, GRAFESS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MONOELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	601 RELAYS	UPPER	PART	POPULATION	FAILURE RATE	ENVIRONMENT	FUNCTIONAL APPLICATION	DATA INDEX
PART DESCRIPTION		NO COMP	POPULATION	LIMIT	HOURS			DATA INDEX
00 N.O.C.								
SENSITIVE-FREQUENCY	AC-POWER-SUPPLY	12.287	20,2123	340	1077	AIR		63 134 4281000
SENSITIVE-FREQUENCY	AC-POWER-SUPPLY	17.0094	23.0823	510	1001	AIR		63 144 4281000
SENSITIVE-FREQUENCY	AC-POWER-SUPPLY	17.1942	26.4707	300	50185	AIR		63 148 4281000
SENSITIVE-FREQUENCY	AC-POWER-SUPPLY	16.8113	20.0327	290	63454	AIR		63 158 4281000
SENSITIVE-FREQUENCY	EMERGENCY-POWER-SYSTEM	24.3131	94.5708	76	10413	AIR		64 120 4281000
SENSITIVE-FREQUENCY	AC-POWER-SUPPLY	526.636	477.762	150	25434	AIR		63 118 4281000
SENSITIVE-FREQUENCY	AC-POWER-SUPPLY	697.777	521.175	150	225	AIR		63 118 4281000
SENSITIVE-MIL-R-3757	SIR AIR	0	135.447	264	1017	SIR AIR		64 113 4281000
SENSITIVE-MIL-R-3757	GRD	3.5A				GRD		63 1251 4281000
SENSITIVE-MIL-R-3757	GRD	5.2A				GRD		63 1251 4281000
SENSITIVE-MIL-R-3757	GRD	7				GRD		63 1251 4281000
SENSITIVE-SPEED	FUEL-SYSTEM	0	6.7892	200	33912	AIR		63 118 4281000
SENSITIVE-SPEED	FUEL-SYSTEM	0	4.5350	200	40763	AIR		63 118 4281000
SENSITIVE-SPEED	FUEL-SYSTEM	0	72.5435	61	53173	AIR		64 114 4281000
SENSOR-THERMAL	EMERGENCY-ENGINE-CONTROL-SYSTEM	4.55	4.08491	9.2	4936	AIR		64 114 4281000
SHUTDOWN		2.03				GEN		61 281 4281000
SIGNAL-CONTROL-AC		0	4.22492		3595	GEN		61 281 4281000
SIGNAL-CONTROL-DC		5.43				SHP		63 122 4281000
SOLENOID	(110-100-100-100)	133				AIR		61 134 4281000
SOLENOID	(110-100-100-100)	5.5				LAB		63 113 4281000
SOLENOID-HEAVY-DUTY	(110-100-100-100)	6A				GRD		63 1251 4281000
SOLENOID-TYPE	(110-100-100-100)	9A				GRD		63 1251 4281000
SOLENOID-TYPE	(110-100-100-100)	12A				GRD		63 1251 4281000
SPOT		13.58C				LAB		61 104 4281000
SPOT-MICROMINIATURE		7.3				LAB		61 104 4281000
SPOT-MICROMINIATURE		75				LAB		61 104 4281000
SPOT-115V-60C		0.008400	104		2141.4	LAB		62 2212 4281000
SPOT-30A-CONTACT		4.75435	104		49411	LAB		63 122 4281000
SPEAKER-SELECTOR-P-A		21.2911	132		10222	AIR		64 125 4281000
SYSTEM-AN/AIC-13								
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	4				GEN		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	2.8				GEN		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	3				GEN		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	5				GEN		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	8.2				AIR		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	29				GEN		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	50				AIR		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	63				AIR		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	105				AIR		60 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	125				AIR		57 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	150				AIR		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	150				AIR		U 2001 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)	0.89917	34.6151	2269	11237	AIR		63 118 4281000
SPECIAL-PURPOSE	(CONTACT-SET-SENSITIVE)							

ENGINE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MODEL B-57D-2 PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	GMT RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF. LIMIT	PART PROB. LATION	PART HOURS	YR 90 DATA INDEX	CROSS RPT SPEC REF NO
.00 H.O.C.									
SPST. ACTUATOR			AIR GND	13.2913	29.999	5775	-22971	65 1128	45904000
SPST. 50-A-V			AIR	78.7272	145.327	320	-055	41 1080	45904000
STARTER		HYDRAULIC-PUMPER.727	AIR	600				66 2360	45903000
STEPPING			AIR	44.4094	56.7054		.378	63 2111	45910000
STEPPING		.(10-100-ACTUATIONS/MR)	GND	5A				65 1251	45912000
STEPPING		.(102-200-ACTUATIONS/MR)	GND	7.24				65 1251	45914000
STEPPING		.(201-300-ACTUATIONS/MR)	GND	10A				65 1251	45916000
STEPPING			AIR GND	133.333	205.422		.675	58 212	45918000
STEPPING			GND	835.333	1285.88		.012	61 1081	45920000
SUMMATOR			GND		1112.34		-00207	64 1189	45922000
SUMMATOR			GND		164.471		.014	63 1100	45924000
SWITCHING			AIR	280	499.594		.016	62 1100	45926000
SWITCHING		AUTG. TACAN-RADIO. GND/ARM-05	AIR	305.084	517.09	597	.74	67 1272	45928000
SWITCHING		.(12-POL)	GND		5.1162	11		63 1116	45930000
SWITCHING		.(12-POL)	GND		17.4439	1	.132	63 1116	45932000
SWITCHING		.(12-POL)	GND		15.0494	2	.357	63 1116	45934000
SWITCHING		.(12-POL)	GND		27.4419	1	.084	63 1116	45936000
SWITCHING		.(10-POL)	GND	10.5712	20.5255	5	.282	62 1116	45938000
SWITCHING		.(10-POL)	GND	12.4049	23.0141	6	.403	63 1116	45940000
SWITCHING		TRACK-KADAR	AIR	1498.12	2993.83	36	.00267	64 1256	45942000
SWITCHING		INFRARED-SYSTEM	AIR	6741.57	9272.02	34	.00267	66 1256	45944000
SWITCHING		.(12-POL)	LAB		7.24088		.316	65 1204	45946000
SWITCHING		.(12-POL)	GND		18.8737		.122	65 1204	45948000
SWITCHING		.(12-POL)	GND		15.0494		.153	65 1204	45950000
SWITCHING		.(OPERATING)	GND		596.565		.0046	65 1204	45952000
SWITCHING		.(12-POL)	GND		2.19094		1.051	65 1204	45954000
SWITCHING		.(12-POL)	GND		786.457		2.913	65 1204	45956000
SWITCHING		.(12-POL)	GND		12.3795		.186	65 1204	45958000
SWITCHING		.(12-POL)	GND		29.1468		.079	65 1204	45960000
SWITCHING		.(12-POL)	GND		1.21895		1.289	65 1204	45962000
SWITCHING		.(12-POL)	GND		141.861		16.22	65 1204	45964000
SWITCHING		.(12-POL)	GND		2.97109		.775	65 1204	45966000
SWITCHING		.(12-POL)	GND		217.226		.0106	65 1204	45968000
SWITCHING		.(12-POL)	GND		13.7059		.168	65 1204	45970000
SWITCHING		.(12-POL)	GND		469.918		.0049	65 1204	45972000
SWITCHING		.(12-POL)	GND		39.7		.058	65 1204	45974000
SWITCHING		.(12-POL)	GND		88.3615		.026	65 1204	45976000
SWITCHING		.(12-POL)	GND		6.01201		.383	65 1204	45978000
SWITCHING		.(12-POL)	GND		679.194		9.847	65 1204	45980000
SWITCHING		.(12-POL)	GND		823.834		7.283	65 1204	45982000
SWITCHING		.(12-POL)	GND		2.36466		.423	65 1204	45984000
SWITCHING		.(12-POL)	GND		10.6712		.573	65 1204	45986000
SWITCHING		.(12-POL)	GND		12.8755		.464	65 1204	45988000
SWITCHING		.(12-POL)	GND		31.25		.032	65 1204	45990000
SWITCHING		.(12-POL)	GND		121.533			65 1251	45992000
TELEPHONE		.(10-100-ACTUATIONS/MR)	GND	2.5A					



ROME AIR DEVELOPMENT CENTER, WRIGHT-PATTERSON AFB, M-O-V.  
SECTION I FAILURE RATE DATA

NOELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
00 N-P.C.									
TIME-DELAY-SPST-4			LAB	0	71.9502	8	.032	65 1217	46074000A
WATT-HEATER-7-SOLDER-TERMINALS			GEN	4.50				61 281	46074000
TIME-DELAY		(CONTACT-SET)	GEN	.35				U 2001	46074000
TIME-DELAY			GEN	5.12				U 2001	46080000
TIME-DELAY			AIR	6.5				U 2001	46080000
TIME-DELAY		RACAR	AIR	14				U 2001	46080000
TIME-DELAY		BOMB-NAVIGATION	GEN	20				U 2001	46080000
TIME-DELAY		(CONTACT-SET)	GEN	44				U 2001	46080000
TIME-DELAY		RACAR	AIR	225				58 2001	46080000
TIME-DELAY		RACAR	AIR	230				U 2001	46080000
TIME-DELAY		AUTO-FLIGHT-CONTROL	AIR	0				57 1001	46080000
TIME-DELAY		NO-3-HYDRAULIC-SYSTEM	AIR	0	95.1472	40	.02472	65 1217	46080000
TIME-DELAY			AIR	0	442.007	40	.0052	62 1093	46080000A
TIME-DELAY		(CALENDAR)	GRD	0	15.0496		.153	65 1204	46080000
TIME-DELAY		(OPERATING)	GRD	0	213.226		.0106	65 1204	46080000
TIME-DELAY			GRD	0	7.70358C		.29890C	62 2212	46102000
TIME-DELAY			AIR	0	0.65789C		35.030C	62 2212	46104000
TIME-DELAY			AIR	0	95.9834	76	.04113	66 1214	46104000
TIME-DELAY			LAB	0.025				62 2212	46104000
TIME-DELAY			LAB	.14123C			318.13C	63 2212	46106000
TIME-DELAY			LAB	.166698C			53.900C	61 2212	46112000
TIME-DELAY		(PER-CONTACT-SET)	LAB	.30				63 1138	46114000
TIME-DELAY		(CALENDAR)	GRD	.588277			2.913	65 1204	46115000
TIME-DELAY			GRD	1.0401			2.8296	64 1210	46116000
TIME-DELAY			GRD	6.53554			.153	63 1116	46120000
TIME-DELAY			GRD	10	29.4228	2		63 1098	46120000
TIME-DELAY			GRD	10.7526			.186	65 1204	46124000
TIME-DELAY			AIR GND	14.2857			.070	58 212	46126000
TIME-DELAY			AIR	20	55.5671			61 1068	46128000
TIME-DELAY			AIR	28.9855			.138	59 1070	46130000
TIME-DELAY			GRD	69.7674			.043	61 1061	46132000
TIME-DELAY			SMP	75.0187			.1333	65 1213	46134000
TIME-DELAY			AIR	103.2				57 211	46136000
TIME-DELAY			AIR	227				57 211	46138000
TIME-DELAY			AIR	237				59 212	46140000
TIME-DELAY			SMP	0.674157			.3927	65 1243	46142000
TIME-DELAY			SUB	1.5013			4.45	65 1251	46144000
TIME-DELAY		(10-10C-ACTUATIONS/HR)	GRD	15A				63 1048	46146000
TIME-DELAY			GRD	15				65 1251	46150000
TIME-DELAY		(101-200-ACTUATIONS/HR)	GRD	23A				65 1251	46152000
TIME-DELAY		(201-300-ACTUATIONS/HR)	GRD	30A				65 1251	46154000
TIME-DELAY		(301-400-ACTUATIONS/HR)	GRD	6A				65 1251	46156000
TIME-DELAY		(401-500-ACTUATIONS/HR)	GRD	4A				65 1251	46158000
TIME-DELAY		(501-600-ACTUATIONS/HR)	GRD	12A				65 1251	46160000

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1964

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION LATION	PART HOURS	YR OF DATA	CROSS INDEX REF NO
PART DESCRIPTION									
TIME-DELAY-5-MIN			SMP	90.4249	142.73	40	.05953	65	1223 46160000
TIME-DELAY-666-TYPE			SMP	20.3665	54.1985	22	.0982	65	1243 46167000
TOUCHDOWN			AIR	.05P				65	2590 46164000
TOUCHDOWN			AIR	.74P				65	2590 46165000
TRIM-TAB-CONTROL			AIR	.1P				65	290 46168000
UNIT-ENG-FIRE-DETECTION		FIRE-PROTECTION-707-3315	AIR	140P				66	2361 46170000
UNIT-ENG-FIRE-DETECTION		FIRE-PROTECTION-707-331	AIR	260P				66	2361 46172000
UNIT-ENG-FIRE-DETECTION		FIRE-PROTECTION-707-3315	AIR	130P				66	2364 46174000
UNIT-ENG-FIRE-DETECTION		FIRE-PROTECTION-707-331	AIR	310P				66	2364 46176000
UNIT-ENG-FIRE-DETECTION		FIRE-PROTECTION-707-3315	AIR	340P				66	2364 46178000
UNIT-ENGINE-FIRE-DETECTION		FIRE-PROTECTION-331C/3315	AIR	500P				66	2365 46180000
UNIT-ENGINE-FIRE-DETECTION		FIRE-PROTECTION-331C/3315	AIR	510P				66	2365 46182000
VALUUM			AIR	495.049	762.705	160	.0202	62	1095 46184000A
VERTICAL-CYRN			AIR	66.9144	83.6023		.538	63	2115 46186000
VOLTAGE-OPERATED			GRD	2.69468	2.65361	22441	165.14	64	1210 46188000
WETTED-MERCURY				.002				66	2M15 46190000
1-POLE		STORAGE)	AIR	25			.280	58	2001 46192000
1-POLE		HOMING/NAVIGATION-EQUIPMENT	AIR	80			.16	58	2001 46194000
130P1/271-PI			SMP	50.8474	113.233	28	.059	65	1248 46196000A
2-POLE		BOMBING/NAVIGATION-EQUIPMENT	AIR	6	14.3912		.16	58	2001 46198000
2-POLE		RADAR	AIR	4.5			.840	58	2001 46200000
2-POLE		BOMBING/NAVIGATION-EQUIPMENT	AIR	18			3.05	58	2001 46202000
2-POLE		RADAR	AIR	32			1.830	58	2001 46204000
2-POLE-DC			AIR	14.430				63	2212 46206000
20-AMP		OPER-ALLOCATION)	MSL	6	65.78834	3500	.035A	66	1234 46208000A
220JC-TYPE		LARGO-HOOK	AIR GND	31.0173	120.648	825	.03224	65	1188 46210000
2AVDC			MSL	233.533	392.363	120	.03	65	1215 46212000
3-POLE-AC			AIR	5.2C				63	2212 46214000
3POT-DOUBLE-COIL			AIR	18.6335	41.4956	960	.161	61	1080 46216000A
3PST-AC-POWER-TRANSFER-25A-ESSENTIAL			AIR	153.130	595.666	43	.00653	66	1240 46218000A
3PST-DISCONNECT-AC-POWER-100A			AIR	72.7272	145.337	220	.095	61	1080 46220000A
3PST-25A-CONTACT-NORMAL-OPEN			LAB	6	6.00245	134	.38341	65	1222 46222000A
3PST-50A			AIR	72.7272	145.337	320	.095	61	1080 46224000A
33UP-TYPE			SMP	1.35777	3.61325	330	1.473	65	1243 46226000
4-POLE		RAOAR	AIR	37			1.260	58	2001 46228000
4-PGLE-AC				7.61C				63	2212 46230000
4-PGLE-DC				57.14C				63	2212 46232000
4-PGLE-GOLD-PLATED		(STORAGE)	MSL	6	.029147	21301	79	65	1234 46234000
4PDT-AC-VOLTAG-TRANSFER-SENSING			AIR	6	65.78835	320	.035	61	1080 46236000A
4PDT-ARMATURE			AIR GND	186.915	727.646	108	.00533	65	1108 46238000
4PDT-LATCHING-MAGNETIC-ENCLOSURE			LAB	2.17991C	80.45587C	5	.46C	65	1203 46240000A

ARMY AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LTRTY	PART LAYERS	PART HOURS	VS DATA INDEX	CROSS REF NO
4-POT. RELAY-IN			SUB	4	15.5388	1071	.25	64 1161	462410004
4-POT. RELAY-IN			SUB	7.90040	14.9888	3370	.5333	65 1246	462410004
4-POT. RELAY-IN			SUB	44.0528	171.392	30	.217	65 1246	462410004
4-POT. RELAY-MOTOR			AIR CMO	46.5332	181	350	.02140	65 1188	462410004
4-POT. RELAY-MOTOR			AIR CMO	107.558	139.462	3140	.345	61 1026	462500000
4-POT. RELAY-MOTOR			AIR CMO	373.831	994.822	108	.00535	65 1188	462510000
6-POLE		RADAR	AIR	3.8			.560	58 2001	462510000
6-POLE		BOMBING/NAVIGATION-EQUIPMENT	AIR	8.5			5.12	58 2001	462510000
6-POLE		RADAR	AIR	22			2.910	58 2001	462510000
6-POLE		BOMBING/NAVIGATION-EQUIPMENT	AIR CMO	50			1.12	58 2001	462510000
6-POT. ARMATURE			AIR CMO	93.4361	131.771	1728	.08562	65 1188	462510000
6-POT. 2A			SUB	59.7966	133.163	480	.05017	65 1246	462510000
8-POLE-AC				30.95C				63 2212	462510000
8-POLE-DC				13.33C				63 2212	462510000

.04 HERMETICALLY SEALED

4 (STRESS-RATION-1)	SIM AIR	6	219.295	42	.0105	64 1154	462700000
15 (STRESS-RATION-1)	LAB	6	104.19	42	.0221	66 1233	462700004
15 (STRESS-RATION-1)	LAB	6	52.2331	84	.0451	66 1233	462740000
15 (STRESS-RATION-1)	LAB	6	249.739	18	.00927	62 1154	462740000
15 (STRESS-RATION-1)	GRO	6	511.886	300	.0045	62 1159	462780000
15 (STRESS-RATION-1)	LAB	6	124.802	36	.01845	64 1154	462800000
15 (STRESS-RATION-1)	LAB	6				63 1218	462810000
15 (STRESS-RATION-1)	AIR	3				61 1068	462840000
15 (STRESS-RATION-1)	AIR	19				57 211	462840000
15 (STRESS-RATION-1)	GRO	68.2041	138.296	2870	.0178	62 1159	462840004
15 (STRESS-RATION-1)	GRO	138.898	540.236	600	.0072	62 1159	462900004
15 (STRESS-RATION-1)	GRO	254				57 211	462920000
15 (STRESS-RATION-1)	GRO	982.8	1328.99	1350	.02035	62 1159	462940004
15 (STRESS-RATION-1)	GRO	1007				57 211	462940000
15 (STRESS-RATION-1)	GRO	1016				57 211	462940000
15 (STRESS-RATION-1)	LAB	13				63 1127	463000000
15 (STRESS-RATION-1)	LAB	6	4.6032	15	.5	65 1203	463010000
15 (STRESS-RATION-1)	LAB	6	.067327	342	34.2	65 1200	463040000
15 (STRESS-RATION-1)	LAB	6	.0673270	342	34.20	65 1200	463040000
15 (STRESS-RATION-1)	LAB	6	.958417	24	2.4	65 1203	463040000
15 (STRESS-RATION-1)	LAB	.041667	.162071	24	24	65 1203	463100000
15 (STRESS-RATION-1)	LAB	6	3.75650	4	.40	65 1203	463120004
15 (STRESS-RATION-1)	LAB	6	3.75650	4	.40	65 1203	463140004
15 (STRESS-RATION-1)	LAB	12.15430	24.28910	4	.12810	65 1203	463150004

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

PART CLASS	6.1 RELAYS	FUNCTIONAL APPLICATION	NONELECTRONIC PART FAILURE RATE DATA						JANUARY 1968
PART DESCRIPTION			ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	INDEX RPT SRCE REF NO
2.4 HERMETICALLY SEALED									
DPDT, 1/2-SIZE-CRYSTAL-CASE-28VDC, 2A-LOAD, 26-1/2VDC-COIL	(60CPM, RLC=2, RLV=1)		LAB	13.0491C	29.0595C	4	.2249C	65	1203 46310000A
DPDT, 1/2-SIZE-CRYSTAL-CASE-30VDC, 2A-LOAD, 26-1/2VDC-COIL	(30CPM, RLC=1, RLV=1)		LAB	•	5.7565C	4	.4C	65	1203 46320000A
DPDT, 1/2-SIZE-CRYSTAL-CASE-30VDC, 2A-LOAD, 26-1/2VDC-COIL	(30CPM, RLC=1, RLV=1)		LAB	•	5.7565C	4	.4C	65	1203 46320000A
DPDT, 1/2-SIZE-CRYSTAL-CASE-30VDC, 2A-LOAD, 26-1/2VDC-COIL	(60CPM, RLC=4, RLV=1)		LAB	19.5982C	39.1648C	4	.2041C	65	1203 46324000A
DPDT, 1/2-SIZE-CRYSTAL-CASE-30VDC, 2A-LOAD, 26-1/2VDC-COIL	(60CPM, RLC=4, RLV=1)		LAB	229.885C	459.399C	4	.0174C	65	1203 46326000A
LATCHING 28VDC, 2A	(1125C, RLV/C=1, 22CPM)		LAB	.075188C	.20086C	266	26.6C	65	1200 4 3230 1A
LATCHING 28VDC, 2A	(1125C, RLV/C=1, 22CPM)		GRD	•	2055.89	1	.00112	65	1184 46330000A
MIL-SPEC MINATURE	(1125C, RLV/C=1, 22CPM)		GRD	6.12409	23.4319	71	.166	64	1142 46330000A
MIL-SPEC MINATURE	(1125C, RLV/C=1, 22CPM)		GRD	•	1421.35	121	.00162	61	1069 46334000A
MIL-SPEC MINATURE	(1125C, RLV/C=1, 22CPM)		GRD	156.494	416.455	725	.01278	61	1069 46334000A
MIL-SPEC MINATURE	(1125C, RLV/C=1, 22CPM)		GRD	242.13	941.815	242	.00413	61	1069 46334000A
MIL-SPEC MINATURE	(1125C, RLV/C=1, 22CPM)		GRD	617.283	2401.04	242	.00162	61	1069 46334000A
POWER, SPST, 250V-CONTACT, 115VAC-COIL	(1125C, RLV/C=1, 22CPM)		LAB	5.63158	21.9051	62	.17757	65	1222 46334000A
POWER, SPST, 50V-CONTACT, 28VDC-COIL	(1125C, RLV/C=1, 22CPM)		LAB	•	8.36062	67	.27541	65	1222 46334000A
SPDT, CPOPPER, 1MA, 2V, 400CPS	(1125C, RLV/C=1, 22CPM)		LAB	61.7283	240.104	198	.0162	64	1173 46334000A
SPDT, 115VDC, 6G-400CPS	(1125C, RLV/C=1, 22CPM)		SUP	879658	1.02799	1290	31.45	66	1241 46334000A
SWT, MINO	(1125C, RLV/C=1, 22CPM)		GRD	•	1157.08		.00199	64	1120 46334000A
THERMAL	(1125C, RLV/C=1, 22CPM)		GRD	•	1107.01		.00208	64	1120 46334000A
TIME-DELAY, MOTOR-DRIVEN, MAGNETIC CLUTCH	(1125C, RLV/C=1, 22CPM)		LAB	•	1.64471C	39	1.4C	65	1200 46334000A
TIME-DELAY, SPDT, CONTACT=2, 28VDC, 7-FIN	(1125C, RLV/C=1, 22CPM)		LAB	•	173.127	4	.0133	65	1217 46334000A
TIME-DELAY, 1/2SECOND, DPDT, 10A-CONTACT, 28VDC-COIL	(1125C, RLV/C=1, 22CPM)		LAB	14.0449	54.6306	20	.0712	65	1217 46334000A
TIME-DELAY, 1/2SECOND, DPDT, 10A-CONTACT, 28VDC-COIL	(1125C, RLV/C=1, 22CPM)		LAB	•	7.01477	149	.32825	65	1222 46334000A
TIME-DELAY, 1/2SECOND, DPDT, 10A-CONTACT, 120VAC, 6A	(1125C, RLV/C=1, 22CPM)		AIR	4.25531	16.5519	1171	.235	66	1253 46334000A
TIME-DELAY, 1/2SECOND, DPDT, 10A-CONTACT, 120VAC, 6A	(1125C, RLV/C=1, 22CPM)		LAB	•	5.4363	103	.42356	65	1222 46334000A
TIME-DELAY, 1/2SECOND, DPDT, 10A-CONTACT, 28VDC-COIL	(1125C, RLV/C=1, 22CPM)		LAB	•	10.0418	74	.23930	65	1222 46334000A
TIME-DELAY, 6AMP, 120-VAC	(1125C, RLV/C=1, 22CPM)		GRD	•	1534.9	2	.00131	65	1177 46334000A

PHOTOELECTRONIC TUBE FILAMENT DATA

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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	601 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER TO CTRP LTRTY	PART MOD- LATION HOURS	YR OF DATA TAKER	CROSS RPT SICE REP NO
PART DESCRIPTION							
.30 1-5 AMPS							
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	1.547C			65	2740 46410000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	1.86C			65	2740 46410000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	1.894C			65	2740 46420000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	1.129C			65	2740 46422000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	1.473C			65	2740 46424000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE LAB	1.40C			65	2740 46424000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.333C			65	2740 46428000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	2.506C			65	2740 46430000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	2.831C			65	2740 46432000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	3.537C			65	2740 46434000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	3.86C			65	2740 46436000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	3.983C			65	2740 46438000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	4.176C			65	2740 46440000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	4.328C			65	2740 46442000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	4.437C			65	2740 46444000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	4.656C			65	2740 46446000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	6.836C			65	2740 46448000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	7.185C			65	2740 46450000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	8.449C			65	2740 46452000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE LAB	9.646C			65	2740 46454000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE LAB	13.759C			65	2740 46456000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(30CPS)	LIFE ACC	14.367C			65	2740 46458000A
CRYSTAL-CAN-DPDT-3-AMP. 28VDC-125C	(10CPS)	LIFE ACC	21.924C			65	2740 46460000A

ROSC AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	AGE RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER NO COMP LIMIT	PART POPULATION	YR OP DATA RPT	CROSS INDEX REF NO
PART DESCRIPTION								
.30 1-5 AMPS								
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(1CPS)	LIFE ACC	24.281C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(1CPS)	LIFE ACC	56.696C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(1CPS)	LIFE LAB	.349C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	.731C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	.7040C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(1CPS)	LIFE LAB	.857C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	.9061C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.122C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(45CPS)	LIFE ACC	1.131C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(1CPS)	LIFE LAB	1.15C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.22C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(45CPS)	LIFE ACC	1.27C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(45CPS)	LIFE ACC	1.315C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.365C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.442C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.450C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.465C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(45CPS)	LIFE ACC	1.495C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(45CPS)	LIFE ACC	1.521C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(60CPS)	LIFE ACC	1.590C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.619C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(30CPS)	LIFE ACC	1.731C	65	2750	46462000A		
CRYSTAL-CAN-DPDT.3.AMP. 28VDC.125C	(45CPS)	LIFE ACC	1.795C	65	2750	46462000A		

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1: FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	631 RELAYS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SINCE REF NO	
-30 1-5 AMPS									
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	1.851C	65 2750	46500000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	1.865C	65 2750	46510000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.109C	65 2750	46512000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.150C	65 2750	46514000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.185C	65 2750	46516000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.203C	65 2750	46518000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	2.205C	65 2750	46520000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(10CPS)	LIFE LAB	2.217C	65 2750	46522000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	2.343C	65 2750	46524000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	2.433C	65 2750	46526000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	2.465C	65 2750	46528000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	2.483C	65 2750	46530000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	2.599C	65 2750	46532000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.667C	65 2750	46534000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.743C	65 2750	46536000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	2.794C	65 2750	46538000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	2.849C	65 2750	46540000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(30CPS)	LIFE ACC	2.894C	65 2750	46542000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	2.919C	65 2750	46544000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	2.921C	65 2750	46546000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	3.007C	65 2750	46548000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(45CPS)	LIFE ACC	3.08C	65 2750	46550000A				
CRYSTAL-CAN-DPOT-3.AMP. 28VDC-125C	(60CPS)	LIFE ACC	3.143C	65 2750	46552000A				

ARMY AIR DEVELOPMENT CENTER, CRIFLIS APO, N.Y.  
SECTION 1 FAILURE RATE DATA

MECHANISTIC PART FAILURE RATE DATA

ANNEX 1000

PART CLASS	GOT RELAYS	FUNCTIONAL APPLICATION	FAILURE RATE	COMP. PART	COMP. PART	COMP. PART
PART DESCRIPTION			ENVIRONMENT RATE	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT
.30 1-5 AMP'S						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 3.724C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 3.764C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(30CPS)		LIFE ACC 3.814C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 4.364C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 4.694C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 5.134C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 5.164C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(30CPS)		LIFE ACC 5.174C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 5.214C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 5.454C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 5.484C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 5.764C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 6.114C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(30CPS)		LIFE ACC 6.244C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 6.314C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 6.524C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 6.524C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 6.734C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(45CPS)		LIFE ACC 7.014C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(30CPS)		LIFE ACC 7.124C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(30CPS)		LIFE ACC 7.524C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(30CPS)		LIFE ACC 7.524C	65 2750	46594000A	
28VDC. 125C						
CRYSTAL-CAN. DPOT. 3. AMP.	(60CPS)		LIFE ACC 7.944C	65 2750	46594000A	
28VDC. 125C						

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	RELAYS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS REF NO
-30 1-5 AMPS										
CRYSTAL-CAN.	DPDT-3.AMP.	28VDC-125C	(30CPS)	LIFE ACC	8.239C				65	2750 44400000A
		28VDC-125C	(45CPS)	LIFE ACC	8.759C				65	2750 44402000A
		28VDC-125C	(60CPS)	LIFE ACC	8.809C				65	2750 44404000A
		28VDC-125C	(45CPS)	LIFE ACC	9.191C				65	2750 44406000A
		28VDC-125C	(60CPS)	LIFE ACC	9.331C				65	2750 44408000A
		28VDC-125C	(45CPS)	LIFE ACC	9.832C				65	2750 44410000A
		28VDC-125C	(30CPS)	LIFE ACC	10.014C				65	2750 44412000A
		28VDC-125C	(45CPS)	LIFE ACC	10.269C				65	2750 44414000A
		28VDC-125C	(60CPS)	LIFE ACC	10.287C				65	2750 44416000A
		28VDC-125C	(60CPS)	LIFE ACC	11.892C				65	2750 44418000A
		28VDC-125C	(30CPS)	LIFE ACC	11.958C				65	2750 44420000A
		28VDC-125C	(60CPS)	LIFE ACC	13.645C				65	2750 44422000A
		28VDC-125C	(60CPS)	LIFE ACC	14.714C				65	2750 44424000A
		28VDC-125C	(30CPS)	LIFE ACC	14.919C				65	2750 44426000A
		28VDC-125C	(60CPS)	LIFE ACC	15.122C				65	2750 44428000A
		28VDC-125C	(30CPS)	LIFE ACC	18.875C				65	2750 44430000A
		28VDC-125C	(60CPS)	LIFE ACC	19.26C				65	2750 44432000A
		28VDC-125C	(30CPS)	LIFE ACC	20.126C				65	2750 44434000A
		28VDC-125C	(45CPS)	LIFE ACC	20.147C				65	2750 44436000A
		28VDC-125C	(60CPS)	LIFE ACC	21.126C				65	2750 44438000A
28VDC-125C	(30CPS)	LIFE ACC	22.922C				65	2750 44440000A		
28VDC-125C	(45CPS)	LIFE ACC	22.759C				65	2750 44442000A		
28VDC-125C	(60CPS)	LIFE ACC	23.126C				65	2750 44444000A		



ARMED AIR DEVELOPMENT CENTER, CRITFIS APO, N.Y.  
SECTION 1 FAILURE RATE DATA

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**Abstract**

## SECTION I FAILURE RATE DATA

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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	661 RESISTORS, VARIABLE	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PAR HOURS	YR OF DATA	GROSS INDEX
PART DESCRIPTION								RPT SACE	REI: MG
.00 N.B.C.									
GENERAL			AIR	3.2				64 2820	46840000
			AIR	3.47222	13.5059		.288	61 2240	46840000
			AIR	4.184	16.2146		.239	61 1046	46840000
			AIR	5.91716	11.8247		.676	51 1044	46840000
			AIR	6				62 2240	46840000
GENERAL			GRD	7.2			.729	U 2001	46840000
			GRD	7.32984	10.5382		1.91	62 2240	46840000
			AIR GND	7.54717	20.0841	5470	.265	65 1221	46840000
			AIR	10				U 2001	46840000
			AIR	12			.665	58 2001	46840000
BOMB-NAVIGATION			AIR	12.3603	17.044	97	.809	62 1095	46840000
			AIR	12.5525	21.9531		.239	61 1046	46840000
			SHP	17				U 2001	46840000
			AIR	17.7935	33.006		.291	61 1966	46840000
			GEN	20				U 2001	46840000
GENERAL			AIR	20				U 2001	46840000
			GRD	20.3				58 2240	46840000
			AIR	21.978	50.4808		.091	61 1046	46840000
			AIR	22				U 2001	46840000
			GRD	22.6				59 2240	46840000
BOMB-NAVIGATION			AIR	23			8.9	57 2001	46840000
			GRD	27.5				64 2820	46840000
			AIR	38			.826	57 2001	46840000
			AIR	70			.236	61 2001	46840000
			AIR	75				57 2001	46840000
GENERAL			AIR	78				66 2006	46840000
			AIR	110				U 2001	46840000
			AIR	115			.691	57 2001	46840000
			AIR	120			.076	U 2001	46840000
			AIR	140				U 2001	46840000
BOMB-NAVIGATION			SUS	140.845	547.845	30	.8071	65 1246	46840000
			AIR	210			.390	58 2001	46840000
			AIR	270				U 2001	46840000
			GRD	270				63 2240	46840000
			GRD	270			.1	64 251	46840000
GENERAL			GRD	270			.4806	64 251	46840000
			GRD	270			120.90	66 352	46840000
			GRD	270			.1968	66 251	46840000
			GRD	270				61 281	46840000
			GRD	270			.001	65 1246	46840000
BOMB-NAVIGATION			AIR	4000	7993.55	30	.786	64 1146	46840000
			AIR	1.27226	4.94872	900	.338	64 1146	46840000
			AIR	14.7928	27.4399	900		63 1127	46840000
			GRD	6	577.592		.00329	64 1180	46840000
			GRD	6	540.861		.00418	64 1180	46840000
GENERAL			AIR	125			.460	58 2801	46840000
			AIR	125				58 2801	46840000
			AIR	125				58 2801	46840000
			AIR	125				58 2801	46840000
			AIR	125				58 2801	46840000

HOME AIR DEVELOPMENT CENTER, IFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS 601 RESISTORS, VARIABLE

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LINTY	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
.00 N.O.C.							RPT SRCE REF NR	
FILM-CARBON-DEPOSIT	(77F)	LAB	9	143.412	6	.016	45 1217	46934000
FILM-CARBON-DEPOSIT	(RP-100PC)	LAB	5				63 1127	46934000
FILM-METAL-2W-LIN-MULTITURN		SUB	0	2.3626	320	1.0	44 1239	46934000A
LEAD-MOUNT		GRD	0	35.3159		.0432	64 1250	46934000A
LINEAR-PRECISION	(STORAGE)	AIR	5.0317	19.5718		.19074	63 1123	46934000
MOTOR-DRIVEN		GEN	.33918	6.31439		2.3893	64 232	46934000
NON-WIREWOUND-MIL-R-22097		LAB	0	0.22357	149	.28	U 2001	46934000
POTENTIOMETER		QUAL TEST	13.5330	21.3424		.645	58 212	46934000A
POTENTIOMETER-WIREWOUND		QUAL TEST	11.0062	18.5077		.636	58 212	46934000
POTENTIOMETERS	(STORAGE)		0	.043587		25.212	64 2321	46934000A
POTENTIOMETERS	(STORAGE)	AIR	0	.03176		40.272	64 2321	46934000A
POTENTIOMETERS	CONTROL-STABILIZER-HORIZONTAL	AIR	0	227.98	50	.0101	62 1095	46934000A
POTENTIOMETERS		GRD	0	26.2673	404	.08764	64 1799	46934000A
POTENTIOMETERS	CONTROL-STABILIZER-HORIZONTAL	AIR	0	133.506	30	.015	62 1876	46934000
POTENTIOMETERS		AIR	0	20.1505	473	.11427	63 1228	46934000
POTENTIOMETERS		GEN	2.53007	5.65211		1.182	62 1078	46934000
POTENTIOMETERS		LAB	3				63 1736	46934000
POTENTIOMETERS		SIN A/R	6.993	18.6094	1490	.286	63 1108	46970000
POTENTIOMETERS		AIR	20				51 1048	46970000
POTENTIOMETERS		AIR SMO	23.2504	23.47		8.9	57 212	46970000
POTENTIOMETERS		MSL	27.845	36.8604		.926	57 212	46970000
POTENTIOMETERS		AIR	30.1724	50.7266	1840	.232	62 1095	46970000A
POTENTIOMETERS		AIR	38.6				57 211	46970000
POTENTIOMETERS		4C					58 2418	46970000
POTENTIOMETERS	GAIN-CHANGER-HORIZONTAL-TAIL	AIR	49.5649	91.8287	800	.101	62 1695	46970000A
POTENTIOMETERS	POSITION-AIRLIFT	AIR	53.2651	98.8036		.09387	63 1123	46970000
POTENTIOMETERS		AIR	54.5454	121.469	320	.055	61 1040	46970000A
POTENTIOMETERS		AIR	65.7894	295.801	120	.0152	62 1095	46970000A
POTENTIOMETERS	FEEDBACK-DUCT-INLET-VARI-RAMP	AIR	94.1727	148.291		.05563	64 1241	46970000
POTENTIOMETERS		AIR	109.89	203.839	340	.0455	62 1055	46970000
POTENTIOMETERS	ROLL-BLURMEAD	MSL	120				58 212	46970000
POTENTIOMETERS		GRD	126.582	492.267		.0079	62 1135	46970000
POTENTIOMETERS		MSL	131.578	202.719		.076	57 212	47000000
POTENTIOMETERS		MSL	141				57 212	47000000
POTENTIOMETERS		AIR	142.857	211.685		.084	59 1870	47004000
POTENTIOMETERS	FEED-BACK-NOSE-WHEEL-STEERING	AIR	153.139	595.666	43	.00653	66 1240	47006000A
POTENTIOMETERS	FOLLOW-UP-FLIGHT-CONTROL	AIR	172.281	271.937	344	.05224	66 1240	47006000A
POTENTIOMETERS	POSITION-ELEVON	AIR	198.019	526.96	80	.0101	62 1095	47010000A
POTENTIOMETERS	GAIN-CHANGER-DUAL-ROLL-AUTOPILOT	AIR	279.279	355.223	640	.111	61 1080	47012000A
POTENTIOMETERS	VALVE-PRESSURE-REGULATOR	AIR	350.59	447.763		.08557	63 1123	47014000
POTENTIOMETERS	GASEOUS-HYDROGEN	QUAL TEST	500C	827.472	6	.0101	63 2340	47016000A
POTENTIOMETERS		SUB	666.666	1774.1	90	.003	65 1246	47018000

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HOMELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I

FAILURE RATE DATA

JANUARY 1968

PART CLASS	AGE	RESISTORS, VARIABLE	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 50 CONF LIMIT	PART	WARRANTY	TR	CROSS
PART DESCRIPTION										
.00 N.B.C.										
POTENTIOMETERS			IMBARD-RUGER-GEAR-ORIVE	GRD	869.545	2314.04		.0023	62 1135	47029000
POTENTIOMETERS			IMBARD-ATLERN-GEAR-ORIVE	GRD	1304.34	2684.69		.0023	62 1135	47027000
POTENTIOMETERS				SNP	60.015	419.933	40	.00465	65 1223	47024000
AMPLITUDE-ADJUST					.25				62 201	47026000
POTENTIOMETERS				AIR	250				57 211	47028000
CARBON-DEPOSIT										
POTENTIOMETERS				LAB	.25				63 1130	47030000
POTENTIOMETERS				AIR GND	93.0232	241.032	275	.01075	64 1148	47032000
POTENTIOMETERS										
SWITCH-ASSEMBLY				SUB	79.7				63 1092	47034000
POTENTIOMETERS-AC-VERMISTAT				GRD	39.8251	50.9307		.418	62 1072	47036000
POTENTIOMETERS-CARBON				LAB	5				63 1138	47038000
POTENTIOMETERS-COMPUTING				LIFE ACC	6	164.471	3	.014	64 1224	47040000
POTENTIOMETERS-FILM										
TRAINING-MIL-R-220578				AIR	13.2				57 211	47042000
POTENTIOMETERS-GENERAL				AIR	20				57 211	47044000
POTENTIOMETERS-GENERAL				AIR	22.1				57 211	47046000
POTENTIOMETERS-GENERAL				AIR	24.8				57 211	47048000
POTENTIOMETERS-GENERAL				AIR	25.8				57 211	47050000
POTENTIOMETERS-GENERAL				AIR	32.5				57 211	47052000
POTENTIOMETERS-GENERAL				GRD	60				57 211	47054000
POTENTIOMETERS-GENERAL				GRD	131				57 211	47056000
POTENTIOMETERS-GENERAL				GRD	4350				61 243	47058000
POTENTIOMETERS-HIGH-SPEED				AIR	20.1267	53.5004		.00937	63 1123	47060000
POTENTIOMETERS-LINEAR			WING-INCIDENCE-AUTOPILOT	AIR	52.1601			.19325	63 1123	47062000
POTENTIOMETERS-LINEAR			NOSE-GEAR-STEERING	SIN SAT	0	2095.89	1	.00912	65 1104	47064000
POTENTIOMETERS-LINEAR										
CONDUCTIVE-PLASTIC-2M										
POTENTIOMETERS-LINEAR			RUDDER-PEDAL	AIR	87.6475	124.415		.07114	63 1107	47066000
POTENTIOMETERS-LINEAR										
R/H-L/H				LAB	7				63 1138	47068000
POTENTIOMETERS-MOLDED				AIR	460.7				57 211	47070000
POTENTIOMETERS-MOLDED				GRD	695				57 211	47072000
POTENTIOMETERS-MOLDED				AIR GND	48.7866	129.812	816	.061	65 1221	47074000
POTENTIOMETERS-MOTOR										
DRIVEN-DUAL-FUNCTION				LAB	5.49				63 1138	47076000
POTENTIOMETERS-MOTOR-DRIVEN				AIR	250				61 1000	47078000
POTENTIOMETERS-MOTOR-DRIVEN				MSL	666.434	1774.1		.003	57 211	47080000
POTENTIOMETERS-PLASTIC									62 2023	47082000
POTENTIOMETERS-PRECISION				GRD	454.715	1651.17		.0023	62 1135	47084000
POTENTIOMETERS-RECTILINEAR			ELEVATOR-ACTUATOR.							
			HYDRAULIC-CONTROL-SYSTEM							
			HYDRAULIC-CONTROL-SYSTEM							
POTENTIOMETERS-RECTILINEAR			HYDRAULIC-CONTROL-SYSTEM	GRD	666.925	2878.84		.0023	63 1135	47086000

PART CLASS	601 RESISTORS, VARIABLE	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART LAYER	PN	CROSS OF DATA INDEX
PART DESCRIPTION							APV 6052 REF 64
-00 M.G.C.							
POTENTIOMETERS, RECTILINEAR	THRUST-VECTOR-ACTUATOR (PITCH).	GRD	1304.34	2900.69	.0023	43	1125 47020000
HYDRAULIC-CONTROL-SYSTEM							
POTENTIOMETERS, TRIMMER		SUB	.9	.012062	249	43.05	62 2022 47090000
POTENTIOMETERS, VERMISTAY		AIR GRD	4.27178	6.34944		14.057	64 1261 47070000A
POTENTIOMETERS, WIRE-WOUND		AIR	5.44215				64 216 47040000
POTENTIOMETERS, WIRE-WOUND		AIR	7.7				57 21 47090000
POTENTIOMETERS, WIRE-WOUND		AIR	15.6				57 21 47040000
POTENTIOMETERS, WIRE-WOUND		AIR GRD	20				61 212 47100000
POTENTIOMETERS, WIRE-WOUND		AIR	20.8				57 21 47100000
POTENTIOMETERS, WIRE-WOUND		AIR GRD	22.5864	24.4483	3.10		57 212 47104000
POTENTIOMETERS, WIRE-WOUND		GRD	187.5	295.458	.048		57 212 47104000
POTENTIOMETERS, WIRE-WOUND		AIR GRD	196.41	224.01	.295		57 212 47100000
POTENTIOMETERS, WIRE-WOUND		GRD	333		.009		57 21 47110000
POTENTIOMETERS, WIRE-WOUND		MSL	333.333	742.311			57 212 47112000
POTENTIOMETERS, WIRE-WOUND		MSL	417				57 21 47114000
POTENTIOMETERS, WIRE-WOUND		AIR	700				57 21 47110000
POTENTIOMETERS, WIRE-WOUND		GRD	903				57 212 47110000
POTENTIOMETERS, WIRE-WOUND		AIR GRD	0	8.00347	.2877		64 216 47120000
NOTOR-DRIVEN							
POTENTIOMETERS, WIREWOUND		LAB	1.4				63 1138 47122000
POTENTIOMETERS, WIREWOUND		AIR GRD	2.24315	4.16092	2.229		63 1096 47124000
POTENTIOMETERS, WIREWOUND		GEN	4.75809	5.71016	15.129		63 1078 47124000
POTENTIOMETERS, WIREWOUND		GRD	85.2575	103.299	.563		62 1072 47126000
POTENTIOMETERS, WIREWOUND		GRD	5750	6994.5	.006		61 1041 47130000
POTENTIOMETERS, WIREWOUND		LAB	1.2				63 1138 47132000
MINIATURE							
POTENTIOMETERS, WIREWOUND		LAB	500C	927.47C	6	.01C	64 1264 47134000A
POTENTIOMETERS, WIREWOUND		LAB	1.21				63 1138 47134000
MECHANICAL-DRIVEN							
POTENTIOMETERS, WIREWOUND		LAB	1.19				63 1138 47138000
POTENTIOMETERS, WIREWOUND		LAB	1.23				63 1138 47140000
POTENTIOMETERS, WIREWOUND		GEN	2.5		4.03		62 1078 47142000
POTENTIOMETERS, WIREWOUND		LIFE ACC	0	65.7883	8	.035	64 1229 47144000
POTENTIOMETERS, WIREWOUND		SNP	.14704	.591432	5047	13.597	65 1243 47146000
POTENTIOMETERS, WIREWOUND		GRD	2				69 1096 47148000
POTENTIOMETERS, WIREWOUND		GRD	3.37913	4.34573	1210	0.878	64 1210 47150000
POTENTIOMETERS, WIREWOUND		LAB	7				61 1088 47152000

AGME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

WONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	661 RESISTORS, VARIABLE	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER PART	PART	YR	CROSS
PART DESCRIPTION					GO COMB	PERCU-	OF DATA	INDEX
					LIMIT	LATION	RPT SRCE	REF NO
PRECISION								
PRECISION, MIL-R-94			SIM AIR	120.094	166.709	506	.1416	65 1195 47150000A
RHEOSTATS		AIR-CONDITIONING-SYSTEM	LAB	5				61 1086 47150000
RHEOSTATS		TEMPERATURE-SELECTOR-AIR-CONDITION-CARGO	AIR CMD	505.05	1124.71		.00594	62 2320 47150000
RHEOSTATS			AIR		27.1597	50	.08478	63 1198 47160000
RHEOSTATS		TEMPERATURE-SELECTOR-AIR-CONDITION-CARGO	LAB	.13				63 1138 47162000
RHEOSTATS			AIR	7.8796	30.6492	50	.12691	65 1198 47164000
RHEOSTATS		TEMPERATURE-SELECTOR-AIR-CONDITION-CARGO	AIR	8.59328	33.4252	100	.11637	65 1198 47166000
RHEOSTATS		TEMPERATURE-SELECTOR-AIR-CONDITION-CARGO	AIR	11.3636	44.2011	102	.088	63 1114 47168000
RHEOSTATS		TEMPERATURE-SELECTOR-AIR-CONDITION-CARGO	AIR	11.7952	45.8799	50	.08478	63 1198 47170000
RHEOSTATS		FLIGHT-DECK	AIR	13.3333	51.0626	50	.075	63 1114 47172000
RHEOSTATS		FLIGHT-DECK	AIR	22.7272	60.4806	102	.088	63 1114 47174000
RHEOSTATS		CONTROL-LIGHTING-SYSTEM	AIR	29.8262	36.557	850	1.4412	63 1198 47176000
RHEOSTATS		CONTROL-LIGHTING-SYSTEM	AIR	31.2761	36.5942	1900	2.2117	65 1198 47178000
RHEOSTATS		CONTROL-LIGHTING-SYSTEM	AIR	32.967	40.4933	850	1.274	63 1114 47180000
RHEOSTATS		CONTROL-LIGHTING-SYSTEM	AIR	36.8271	45.5987	1224	1.055	63 1114 47182000
RHEOSTATS		CONTROL-LIGHTING-SYSTEM	AIR	37.4285	44.6181	600	1.5229	65 4798 47184000
RHEOSTATS		FREQUENCY-AND-LOAD-CONTROL	AIR	111.111	432.188	32	.009	59 1116 47186000
RHEOSTATS		CONTROL-LIGHTING-SYSTEM	AIR	200	445.386	88	.015	63 1114 47188000
RHEOSTATS		CONTROL-INTERIOR-LIGHTING	AIR	323.624	525.675	48	.02472	65 1221 47190000
RHEOSTATS		CONTROL-INTERIOR-LIGHTING	AIR	607.828	795.312	76	.04113	66 1250 47192000A
TRIMMER			SUB	.344828	1.34127	108	2.9	66 1239 47194000A
TRIMMER		BOMB-NAVIGATION	AIR		18.7203		.123	58 2001 47196000
TRIMMER			GRO	.500387	.571996	25003	193.81	64 1210 47198000
TRIMMER			LAB	2.5				61 1086 47200000
TRIMMER		RADAR	AIR	180			.393	61 1086 47202000
TRIMMER, CARBON-COMPOSITION		(STORAGE)			17.0059		.1354	63 252 47204000A
TRIMMER, WIREWOUND		(STORAGE)			1.53804		1.4971	66 253 47206000A
TRIMMER, WIREWOUND		(STORAGE)			.985407		2.3367	66 252 47210000A
TRIMMER, WIREWOUND		(STORAGE)			63.7839		.0341	66 259 47212000A
TRIMMER, WIREWOUND		(STORAGE)			2.17534		1.0594	66 254 47214000A
TRIMMER, WIREWOUND		(STORAGE)			.494481		4.6346	66 251 47216000A
TRIMMER, WIREWOUND		(STORAGE)			1.17985		1.9516	66 252 47218000A
TRIMMER, WIREWOUND		(STORAGE)			5.0772		1.5744	66 251 47220000A
TRIMMER, WIREWOUND		(STORAGE)			2.54065		.7203	65 1195 47222000A
TRIMMER, WIREWOUND		(STORAGE)			4.16493	2438	.01396	64 1130 47224000
TRIMMER			SIM AIR	4.17	164.942			61 241 47226000
UNDER-1M			GRO					65 1217 47228000
WIRE-WOUND-MOTOR-DRUM			GEN					65 1217 47230000
WIREWOUND			LIFE ACC		9.73071	90	.4019	65 1217 47232000

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SECTION 1

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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

MEMO ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS	651 RESISTORS, VARIABLE	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART NEWS	YR RPT DATE	CROSS INDEX
PART DESCRIPTION									
.00 M.O.C.									
WIREWOUND-LOW-POWER			GRD	.980416	1.92522	260	4.9179	65 1310	47318000
WIREWOUND-LOW-POWER			AIR GND	8.96226	32.2181		2.12	61 1007	47326000
WIREWOUND-LOW-POWER			AIR GND	11.2676	22.517		.353	62 1047	47327000
WIREWOUND-LOW-POWER			AIR GND	15.9661	26.5676		.392	62 1067	47327000
WIREWOUND-MIL-R-19			LAB		4.00452	544	.575	64 1216	47326000
WIREWOUND-MIL-R-19			GRD	.482968	6.94264	4364	28.941	65 1208	47326000
WIREWOUND-MIL-R-19			SIM AIR	26.3157	102.34	594	.039	65 1129	47326000
WIREWOUND-MIL-R-19			AIR AIR	29.4117	47.7746	1246	.272	66 1253	47326000
WIREWOUND-MIL-R-19			SIM AIR		138.961	16	.01657	64 1150	47334000
WIREWOUND-MIL-R-19A			SIM AIR		153.312	6	.00314	64 1151	47334000
WIREWOUND-MIL-R-22			LAB	3				61 1006	47338000
WIREWOUND-MIL-R-2208			LAB		2.39854	512	.96	61 1227	47340000
WIREWOUND-MIL-R-27208			SIM AIR		244.437	18	.00952	64 1131	47341000
WIREWOUND-MIL-R-27208			LAB		1.47803	832	1.56	67 1267	47341000
WIREWOUND-MIL-R-27208			AIR	1.14942	2.13211	20416	4.35	56 1259	47346000
WIREWOUND-MIL-SID-203			AIR		16.9508	638	.136	66 1253	47346000
WIREWOUND-MOTOR-DRIVEN			SHP	4.17				62 2223	47350000
WIREWOUND-NON-LINEAR-I-TURN			GRD		1524.9	2	.00151	65 1177	47352000
WIREWOUND-OVER-LOW			GRD		942.889		.09244	64 1109	47354000
WIREWOUND-PANEL-HUMITY			LAB	3				63 1127	47356000
WIREWOUND-TRIGONOMETRIC.			GND		1524.9	2	.00151	65 1177	47356000
ONE-TURN									
WIREWOUND-TRIMMER		(CALENDAR)	GRD		5.44349		.423	65 1204	47360000
WIREWOUND-TRIMMER		(OPERATING)	GRD		4.01849		.573	65 1204	47362000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		.098903		23.292	65 1204	47364000
WIREWOUND-TRIMMER		(OPERATING)	GRD		.278563		8.266	65 1204	47366000
WIREWOUND-TRIMMER		(STORAGE)	LAB		.147489		15.612	65 1204	47368000
WIREWOUND-TRIMMER		(STORAGE)	GRD		.04872		47.069	66 231	47370000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		1.87641		1.227	65 1204	47372000
WIREWOUND-TRIMMER		(OPERATING)	LAB		.326407		7.182	65 1204	47374000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		.352394	49	6.472	63 1116	47376000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		.260269		8.847	65 1204	47378000
WIREWOUND-TRIMMER			LAB		.3935		5.822	63 1116	47380000
WIREWOUND-TRIMMER			GRD		5.71364	6	.403	63 1116	47382000
WIREWOUND-TRIMMER			GRD		.55753	49	4.13	63 1116	47384000
WIREWOUND-TRIMMER			GRD		1.8812	16	1.224	63 1116	47386000
WIREWOUND-TRIMMER		(OPERATING)	GRD		27.9119		.084	65 1204	47388000
WIREWOUND-TRIMMER		(OPERATING)	GRD		9.43688		.244	65 1204	47390000
WIREWOUND-TRIMMER		(OPERATING)	GRD		1.54226		1.493	65 1204	47392000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		.344728		5.985	65 1204	47394000
WIREWOUND-TRIMMER		(STORAGE)	GRD		.259509		8.8729	66 231	47396000
WIREWOUND-TRIMMER		(OPERATING)	GRD		10.2744		.224	65 1204	47398000
WIREWOUND-TRIMMER		(OPERATING)	GRD		71.9542		.032	65 1204	47400000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		.026871		92.562	65 1204	47402000
WIREWOUND-TRIMMER		(CALENDAR)	GRD		.589503		3.406	65 1204	47404000

ROCK AIR DEVELOPMENT CENTER, CALIFORNIA, M.Y.  
SECTION 1

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1966

PART CLASS	661 TEST SYSTEMS, VARIABLE	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PARTY CATEGORY	PART HOURS	VA OF DATA INDEX	CROSS REF SRC REP NO
WIREMOUND. TRAINER	DIGITAL		GRD	0	1.35326		1.659	60	2001 4740000A
WIREMOUND. TRAINER	DIGITAL		GRD	0	1.49817		1.590	60	2001 4740000A
WIREMOUND. TRAINER	DIGITAL		GRD	0	21.1247		.169	60	2001 4741000A
WIREMOUND. TRAINER	(RP-1000PC)		LAB	2				63	1127 4741200A
WIREMOUND. TRAINER	MINIATURE		SIM AIR	0	175.77	65	.0131	45	1199 4741400A
WIREMOUND. TRAINER			SIM AIR	0	9.7858	1170	.2353	65	1199 4741600A
WIREMOUND. TRAINER	(RP-01-11)		SUB	0	2.53976		.90662	64	1849 4741800A
WIREMOUND. TRAINER	(RP-01-11-2)		SIM AIR	0	4.62276	3942	.4981	66	1231 4742000A
WIREMOUND. TRAINER	MIL-R-94		SIM AIR	0	83.1263	219	.0377	66	1231 4742200A
WIREMOUND. TRAINER	I-TURN		GRD	0	1524.9	2	.00151	65	1177 4742400A
WIREMOUND. UNDER-IV			GRD	1298.7	5031.55		.00077	64	1780 4742600A
WIREMOUND. I-TURN	MIL-R-		GRD	0	152.49	20	.0151	65	1177 4742800A
WIREMOUND. I-TURN	MIL-R-		AIR GND	186.046	495.097	275	.01075	65	1188 4743000A
WIREMOUND. I-TURN	MIL-R-		GRD	0	341.125	450	.00675	62	1159 4743200A
WIREMOUND. I-TURN	MIL-R-		GRD	0	557.53	242	.06413	61	1069 4743400A
WIREMOUND. I-TURN	MIL-R-		GRD	0	130.496	1210	.0153	61	1069 4743600A
WIREMOUND. I-TURN	MIL-R-		AIR GND	186.133	371.966	550	.02149	65	1188 4743800A
WIREMOUND. I-TURN	MIL-R-		AIR GND	186.741	496.946	216	.01071	65	1188 4744000A
WIREMOUND. I-TURN	MIL-R-		GRD	0	957.53	242	.00413	61	1069 4744200A
WIREMOUND. I-TURN	MIL-R-		GRD	273.722	609.562	726	.01096	61	1069 4744400A
WIREMOUND. I-TURN	MIL-R-		GRD	1132.73	2303.61	300	.00347	62	1159 4744600A
WIREMOUND. I-TURN	MIL-R-		GRD	1447.36	2183.96	300	.0076	62	1159 4744800A
WIREMOUND. I-TURN	MIL-R-		AIR GND	66.484	123.268	1925	.07524	65	1188 4745000A
WIREMOUND. I-TURN	MIL-R-		AIR GND	93.0232	361.832	275	.01075	65	1188 4745200A
WIREMOUND. I-TURN	MIL-R-		AIR GND	186.915	727.046	108	.00535	65	1188 4745400A
WIREMOUND. I-TURN	MIL-R-		AIR GND	93.0232	361.832	275	.01075	65	1188 4745600A
WIREMOUND. I-TURN	MIL-R-		GRD	0	159.019		.01448	64	1180 4745800A
WIREMOUND. I-TURN	MIL-R-		GRD	0	311.62		.00074	64	1180 4746000A
WIREMOUND. I-TURN	MIL-R-		GRD	75.3863	200.614		.02653	64	1180 4746200A
WIREMOUND. I-TURN	MIL-R-		SHP	7.77121	30.2276		.12868	65	1225 4746400A
WIREMOUND. I-TURN	MIL-R-		GRD	0	417.137	484	.00552	61	1069 4746600A
WIREMOUND. I-TURN	MIL-R-		SHP	0	7.81867	66	.2543	64	1243 4746800A
WIREMOUND. I-TURN	MIL-R-		GRD	0	609.133	300	.00378	67	159 4747000A
WIREMOUND. I-TURN	MIL-R-		GRD	0	45.3895	1950	.05073	67	159 4747200A
WIREMOUND. I-TURN	MIL-R-		GRD	0	630.849	242	.00365	67	159 4747400A
WIREMOUND. I-TURN	MIL-R-		GRD	0	1387.1	150	.00166	67	159 4747600A
WIREMOUND. I-TURN	MIL-R-		GRD	0	1771.23	121	.0013	67	159 4747800A
WIREMOUND. I-TURN	MIL-R-		GRD	0	777.905	360	.00256	67	159 4748000A
WIREMOUND. I-TURN	MIL-R-		GRD	0	1014.36	200	.00227	67	159 4748200A
WIREMOUND. I-TURN	MIL-R-		GRD	207.631	454.01	2100	.03129	67	159 4748400A

00 H.O.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS 661 RESISTORS, VARIABLE

PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER NO COMP PART

FAILURE RATE LIMIT LATIOM

PARTY HOURS

YR

OF DATA INDEX

RPT SACE REF NO

CROSS

.00 N.O.C.

WIREBUND. 2M	GRD	727.272	1935.38	242	.00275	61 1069	47484000A
WIREBUND. 2M	GRD	2034.42	2968.81	508	.00639	63 1159	47480000N
WIREBUND. 2M. LIN. MULTITURN	SUA	.044138	.257255	4316	15.12	66 1239	47490000A
WIREBUND. 2M. 1K-6HM	AIR GND	93.0232	361.832	275	.01075	63 1188	47492000
WIREBUND. 2M. 10K-6HM	AIR GND	560.747	1248.74	108	.00535	65 1188	47494000
WIREBUND. 2M. 100K-6HM	AIR GND	186.915	727.046	108	.00535	63 1188	47496000
WIREBUND. 2M. 100K-6HM	AIR GND	223.297	350.841	1375	.05374	65 1188	47498000
WIREBUND. 2M. 25K-6HM	AIR GND	46.5224	123.803	1780	.04359	63 1188	47500000
WIREBUND. 2M. 50K-6HM	AIR GND	217.054	364.989	825	.03225	65 1188	47502000
WIREBUND. 2M	SHP	1.94276	7.35477		.51475	65 1223	47502500
WIREBUND. 3M. 25K-6HM	AIR GND	93.0232	361.832	275	.01075	69 1188	47506000
WIREBUND. 4	GRD	373.831	712.879	242	.00323	61 1069	47508000A
WIREBUND. 4. SECTION	AIR GND	6			.00535	65 1188	47510000
WIREBUND. 4. 10K	GRD	6	630.849	242	.00365	61 1069	47512000A
WIREBUND. 4. 5M	GRD	6	644.985	300	.00357	63 1159	47514000A
WIREBUND. 4. 5M	GRD	103.668	340.781	1936	.02722	62 1159	47516000A
WIREBUND. 5	GRD	1771.23	121		.0013	61 1069	47518000A
WIREBUND. 50W	SHP	6.15006	25.9218		.1626	65 1223	47520000
WIREBUND. 500K	GRD	6	1023.37	150	.00225	62 1159	47522000A
WIREBUND. 78W	SHP	7.77121	60.2376		.12868	65 1223	47524000
WIREBUND. 8. 10K	GRD	69.93	272.004	1210	.0143	61 1069	47526000A
1-1/2M. 50K-6HM	AIR GND	23.2612	90.4791	1100	.04298	65 1188	47528000
1/2M. 10K-6HM	AIR GND	11.6292	45.2343	2200	.00599	65 1188	47530000
1/2M. 2-1/2K-6HM	AIR GND	46.5224	123.803	1100	.04298	65 1188	47532000
1/2M. 2-1/2K-6HM	AIR GND	43.7071	181.676	432	.02141	65 1188	47534000
1/2M. 5W66HM	AIR GND	93.3706	363.183	216	.01571	69 1188	47536000
1/2M. 50K-6HM	AIR GND	93.3706	363.183	216	.01071	65 1188	47538000
1M. 10K-6HM	AIR GND	10.358	45.2118	2475	.09673	65 1188	47540000
1M. 25K-6HM	AIR GND	93.0232	361.832	275	.01075	65 1188	47542000
1M. 5K-6HM	AIR GND	46.5332	181	550	.02149	65 1188	47544000
1M-10M	GRD	6	192.525		.01196	64 1188	47546000
2M	AIR GND	186.915	727.046	108	.00535	65 1188	47548000
2M. 100K-6HM	AIR GND	186.915	727.046	108	.00535	65 1188	47550000

.40 COMPOSITION

.(STRESS-RATIO=1)  
.(STRESS-RATIO=.6)  
.(STRESS-RATIO=.1)

SIM AIR	*	7675.33	2	.0003	64 1154	47552000
SIM AIR	*	2302.6	6	.001	64 1154	47554000
SIM AIR	*	8.05104	1494	.286	63 1108	47556000
LAB	*	496.479	9	.00441	64 1154	47558000
GRD	*	94.7962		.02429	64 1180	47560000
SUB	*	1.963	480	1.173	63 1092	47562000
GRD	*	82.2357		.028	63 1100	47564000
LAB	*	209.327	21	.011	64 1154	47566000A
GRD	*	192.525		.01196	64 1180	47568000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	AGE	RESISTORS, VARIABLE	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	NO. COMP. LTHV	FORM- LAYERS	PART HOURS	YR DATA INDEX	CRDS
PART DESCRIPTION										
NO	COMPOSITION									
LAB	4	209.327	21		.011				64	1233 47510000A
SIM AIR	0	21.3203	497		.108				63	1108 47572000
AIR	0								62	2240 47574000
SIM AIR	1	71.9562			.022				63	1108 47574000
LAB	.04								62	2240 47574000
SEM	.01								U	2001 47590000
SNP	.32								U	2001 47590000
SEM	.49								U	2001 47590000
SEM	.847								U	2001 47590000
SEM	1-4								U	2001 47590000
GRD	2.03436	3.56015	449		2.9418				64	1210 47590000
AIR	4.8				.163				60	2001 47592000
LAB	7								61	1079 47594000
AIR	7.88								U	2001 47594000
AIR	6.19472	15.2044	127		.61				U	2001 47594000
AIR	17				.740				58	2001 47600000
AIR	23				3.360				58	2001 47602000
AIR GND	20.489	34.2838			1.76				60	1067 47600000A
AIR	47.8235	88.0318			.313				60	1067 47600000
AIR	48.57	67.444			.39001				58	2240 47600000
GRD	68.9655	94.0217			.261				60	1067 47610000
SUB	83.3333	324.141	20		.012				64	1141 47612000
GRD	97.3312	115.167			.637				60	1067 47614000
AIR	135				.065				58	2001 47614000
SUB	333.333	1296.56	5		.003				64	1141 47616000A
LAB	0	26.4664			.087				61	1074 47620000
GRD	0	27.9467	16		.0642				65	1789 47622000A
MSL	0	.01988	31325		.116				65	1254 47624000
LAB	0	41.1178	16		.056				65	1217 47626000
GRD	21.2975	43.0876			.3297				66	1230 47628000A
GRD	40.3225	156.942	5		.0248				65	1789 47630000A
SIM AIR	0	83.2465	294		.02766				55	1206 47632000A
SEM	.7								U	2001 47634000
LAB	0	6.39611	193		.36				57	1267 47636000
QUAL TEST	0	76.7533			.050				38	212 47638000A
SIM AIR	0	83.1263	219		.0277				66	1231 47640000A
SIM AIR	0	175.77	65		.0131				65	1196 47642000A
SIM AIR	0	46.052	792		.05				64	1135 47644000
LAB	.122647	.326301	4715		16.307				64	1167 47646000
AIR	.749625	2.91581			1.334				63	1097 47648000
GRD	1.06489	1.4787	2487		15.964				65	1205 47650000A
LAB	1.5								58	2441 47652000
LAB	0	153.404	3		.01501				61	1086 47654000
GRD	.992014	2.63989	309		2.0161				66	1269 47656000A
MIL-R-94									64	1210 47658000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	661 RESISTORS, VARIABLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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ARMY AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 207 RESISTORS VARIABLE

PART DESCRIPTION FUNCTIONAL APPLICATION

.75 WIRE WOUND, POWER

ENVIRONMENT TYPE PART LTRN PART POPU- PART OF DATA INDEX  
YR RPT SINCE REF NO

CHARACTERISTICS: V-7

MIL-B-19

POTENTIOMETERS

GRD .9742247 2-16468 494 3-0793 64 1210 47744000  
GEN .17 U 2001 47744000  
SIM AIR 6 163-493 147 .01383 65 1806 47744000A  
GRD .6 63 1098 47750000

.75 WIREWOUND, PRECISION

-(STRESS-RATIO=0.6)  
-(STRESS-RATIO=0.1)  
-(RP=100PC)

MULTI-TURN, 1 TURN

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 1-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 2-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 3-SECTION

POTENTIOMETERS

1-TURN, 3-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 4-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 5-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 5-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 1-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 1-SECTION

POTENTIOMETERS

POTENTIOMETERS

1-TURN, 1-SECTION

POTENTIOMETERS

SIM AIR 6  
SIM AIR 6  
LAB 10

SUB 264.9

SUB 333-333

LIFE ACC 6

GRD 6

GRD 6

GRD 35-4987

GRD 3

GRD 27-894

GRD 65-09

GRD 114-986

GRD 102-143

GRD 122-01

GRD 6

GRD 229-1085

GRD 125-409

GRD 153-295

1151.3 8  
5-6345 934

784.94 10

887.05 10

232.391 46

7-47597 144

70-5885 170

94-4675 198

70-3883 170

108-499 126

144-081 162

236-037 80

907-513 33

826-322 144

149-817 54

511-958 44

188-103 252

269-087 132

64 1134 47752000  
64 1154 47754000  
63 1121 47756000  
63 1244 47758000  
64 1161 47760000A  
64 1165 47762000  
64 1162 47764000A  
64 1164 47766000

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64 1194 47778000  
64 1194 47780000  
64 1194 47782000  
64 1194 47784000  
64 1194 47786000  
64 1194 47788000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90% LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
-10 HEAD	INSTRUCTOR-SEAT	AIR	0	20.1503	473	-11427	65	1228	47790000
	STUDENT-SEAT	AIR	8.7512	44.0365	473	-11427	65	1228	47792000
	STUDENT-SEAT	AIR	11.4077	44.3725	406	-08766	64	1179	47794000
	STUDENT-SEAT	AIR	21.24	32.0495	597	-51709	67	1272	47796000
	INSTRUCTOR-SEAT	AIR	32.8255	45.5013	597	-51789	67	1272	47798000
-20 BACK	INSTRUCTOR-SEAT	AIR	0	26.2673	406	-08766	64	1179	47800000
	STUDENT-SEAT	AIR	22.8154	60.7152	406	-08766	64	1179	47802000
	STUDENT-SEAT	AIR	26.2536	58.465	473	-11427	65	1228	47804000
	INSTRUCTOR-SEAT	AIR	26.2536	58.465	473	-11427	65	1228	47806000
	INSTRUCTOR-SEAT	AIR	75.3055	93.262	597	-51789	67	1272	47808000
	STUDENT-SEAT	AIR	166.058	191.444	597	-51789	67	1272	47810000

ARMED AIR DEVELOPMENT CENTER, ORIGINALLY ASD, M.C.  
SECTION 1  
FAILURE RATE DATA

MODEL ELECTRONIC PART FAILURE RATE DATA JANUARY 1944

PART CLASS 675 RYB3

PART DESCRIPTION

FUNCTIONAL APPLICATION

Q.D. 4.8.2.

FAILURE ENVIRONMENT RATE UPPER PART FORM- DATA CLASS  
LIMIT LAYTON INCHES RPT SIZE REF NO

ASSEMBLY	ALLERON-HYDRA-SUPPLY-TIME/ASD-WING	ATR	4	23.1019	.00037	63	1123	47812000
RUDDER	ALLERON-HYDRA-SUPPLY-TIME/ASD-WING	ATR	6	23.1019	.00037	63	1123	47812000
	RUDDER-FLIGHT-CALIBER	ATR	6	63.1472	.02472	63	1123	47812000
	OUTER-PANEL-HINGE	ATR	2	90.6544	.02354	63	1123	47812000
	FLIGHT-CALIBER	ATR	5	93.4824	.04113	66	1250	47820000



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	600 RADS	UPPER	PART	YR	CROSS
PART DESCRIPTION	FAILURE RATE	90 CONF LIMIT	APPROX LATION HOURS	OF DATA INDEX	RPT SRCE REF NO
FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE			
WING-HINGE-PIN-LOCK-WINGFOLD-CONTROL-AFT	AIR	23.1719	.09937	63 1123	47822000
DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH	AIR	55.9834	.04113	66 1250	47824000A
DOOR-MECHANICAL-PERSONNEL	AIR	3.49886	.6561	66 1250	47826000
CARGO-COMPARTMENT					
DOOR-LANDING-GEAR-NOSE-AFT	AIR	27.9917	.08226	66 1250	47828000A
DOOR-ELECTRIC-GTC-INTAKE	AIR	19.7868	.11637	65 1198	47830000
DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	23.2868	.09888	65 1227	47832000
ORIFICE-LANDING-GEAR-MAIN	AIR	48.2219	.04775	63 1111	47834000
ORIFICE-TIP-PROTECTION-GEAR	AIR	56.4641	.02387	63 1111	47836000
SPEEDBRAKE-DOOR	AIR	46.3393	.04969	63 1123	47838000
WING-HINGE-PIN-LOCK-WINGFOLD-CONTROL	AIR	23.1719	.09937	63 1123	47840000
DOOR-EMERGENCY-FORWARD-ESCAPE-HATCH	AIR	93.1472	.02472	65 1227	47842000
DOOR-LANDING-GEAR-NOSE	AIR	20.1505	.11427	65 1227	47844000
DOOR-LANDING-GEAR-NOSE-AFT	AIR	46.5736	.09444	65 1227	47846000
DOOR-MECHANICAL-PERSONNEL-CARGO-COMP	AIR	2.52831	.39552	65 1227	47848000
HOLD-OPEN-ENGINE-MACELLE	AIR	9.83439	.39552	65 1227	47850000
THROTTLE-FUEL-COMMAND	AIR	2.52831	.39552	65 1227	47852000
HOLD-OPEN-ENGINE-MACELLE	AIR	2.63754	.37914	65 1201	47854000
DOOR-LANDING-GEAR-MAIN	AIR	4.55927	.658	66 1250	47856000
DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	5.70385	.17532	64 1179	47858000
DOOR-LANDING-GEAR-NOSE-OUTBOARD	AIR	6.07402	.1645	66 1250	47860000
WINDSHIELD-STUDENT	AIR	8.7512	.11427	65 1228	47862000
DOOR-LANDING-GEAR-MAIN	AIR	6.7512	.22854	65 1228	47864000
WINDSHIELD-STUDENT	AIR	9.65456	.51789	67 1272	47866000
DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	10.1132	.09888	65 1227	47868000
DOOR-ELECTRIC-GTC-INTAKE	AIR	11.3636	.086	63 1114	47870000
WINDSHIELD-INSTRUCTOR	AIR	11.4077	.08766	64 1179	47872000
WINDSHIELD-INSTRUCTOR	AIR	11.5854	.51789	67 1272	47874000
DOOR-LANDING-GEAR-NOSE	AIR	13.5163	.51789	67 1272	47876000
DOOR-ELECTRIC-GTC-INTAKE	AIR	15.7591	.12691	65 1198	47878000
WING-FLAP-FLIGHT-CONTROL	AIR	17.1113	.17532	64 1179	47880000
WINDSHIELD-INSTRUCTOR	AIR	17.5034	.11427	65 1228	47882000
DOOR-LANDING-GEAR-MAIN	AIR	22.2072	.10357	67 1272	47884000
HOLD-FORWARD-SPRINGS-ZONM-GUM	GRD	30R	.1R	64 1134	47886000
DOOR-LANDING-GEAR-NOSE	AIR	34.2231	.08766	64 1179	47888000
LEVELER-BEAR-LANDING-GEAR-MAIN	AIR	60.6796	.04944	65 1227	47890000
WING-FLAP-FLIGHT-CONTROL	AIR	85.5182	.10357	67 1272	47892000
WING-FLAP-FLIGHT-CONTROL	AIR	138.323	.22854	65 1228	47894000
DOOR-OLEO-LANDING-GEAR	AIR	27.9917	.08226	66 1250	47896000
DOOR-ELECTRIC-LOUVER	AIR	46.1073	.03994	65 1227	47898000
DOOR-ELECTRIC-LOUVER	AIR	27.9917	.08226	66 1250	47900000A
FLAPPER-DOOR-MAIN-LANDING-GEAR-OUTBOARD	AIR	27.9917	.08226	66 1250	47902000
DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	13.9975	.1645	66 1250	47904000

-00 N.O.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MEMORANDUM FOR THE RECORD  
SUBJECT: FAILURE RATE DATA  
DATE: JANUARY 1960

PART CLASS	680 RODS	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA REF INCL	CROSS INDEX REF NO
ACTUATING	DOOR-LANDING-GEAR-MAIN-INNERBOARD	AIR	0	23.2869	192	0.0488	65	1237 47960000
ACTUATING	DOOR-GEAR-DOOR-GEAR	AIR	0	44.8736	94	0.0494	62	1227 47960000
ACTUATING	NEGATOR-TORQUE-CONT-REDUCTION-GEAR	AIR	0	4.33598	200	0.0763	65	1198 47960000
ACTUATING	DOOR-MAIN-LANDING-GEAR-INNERBOARD	AIR	0	9.89244	200	0.23224	63	1198 47960000
ACTUATING	NEGATOR-TORQUE-CONT-REDUCTION-GEAR	AIR	0	4.94672	200	0.46348	65	1201 47960000
ACTUATING	REDUCTION-GEAR	AIR	0	3.48289	1416	1.1168	65	1198 47960000
ACTUATING	NEGATOR-TORQUE-CONT-REDUCTION-GEAR	AIR	0	2.9488	200	0.3912	65	1198 47960000
ACTUATING	DOOR-MAIN-LANDING-GEAR-INNERBOARD	AIR	0	8.59328	200	0.23274	65	1198 47960000
ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	0	11.3636	204	0.176	63	1114 47922000
ACTUATING	LANDING-GEAR-NOSE	AIR	0	11.3636	102	0.081	63	1198 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	0	11.7952	100	0.1594	63	1198 47960000
ACTUATING	DOOR-MAIN-LANDING-GEAR-OUTBOARD	AIR	0	11.8194	100	0.2382	65	1198 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	0	12.8899	200	0.23274	65	1198 47960000
ACTUATING	DOOR-MAIN-LANDING-GEAR-OUTBOARD	AIR	0	12.8899	200	0.23274	65	1198 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	0	13.4228	100	0.149	63	1114 47960000
ACTUATING	LANDING-GEAR-NOSE	AIR	0	17.1845	100	0.1637	65	1198 47960000
ACTUATING	FLAPPER-DOOR-PLG-OUTBOARD	AIR	0	20.2265	96	0.04944	63	1114 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	0	22.7272	204	0.176	63	1114 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE-FORWARD	AIR	0	23.6387	180	0.2382	63	1198 47960000
ACTUATING	LANDING-GEAR-NOSE	AIR	0	31.5193	50	0.12691	63	1198 47960000
ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	0	32.238	136	0.031	63	1114 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE	AIR	0	24.2231	406	0.08766	64	1179 47960000
ACTUATING	LANDING-GEAR-NOSE	AIR	0	33.3587	50	0.08478	65	1198 47960000
ACTUATING	LANDING-GEAR-NOSE	AIR	0	40	50	0.072	63	1114 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE	AIR	0	59.0773	50	0.072	63	1114 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE	AIR	0	42.48	597	0.1789	67	1272 47960000
ACTUATING	DOOR-LANDING-GEAR-NOSE	AIR	0	43.736	473	0.1427	65	1228 47960000
ACTUATING	DOOR-MAIN-LANDING-GEAR-INNERBOARD	AIR	0	58.9761	100	0.16956	63	1198 47960000
ACTUATING	DOOR-MAIN-LANDING-GEAR-OUTBOARD	AIR	0	64.8737	100	0.16956	65	1198 47960000
ACTUATING	DOOR-LANDING-GEAR-MAIN-OUTBOARD	AIR	0	73.6235	100	0.149	63	1114 47960000
ACTUATING	AILERON-SYSTEM	AIR	0	19.7068	100	0.1837	65	1228 47960000
ADJUSTING	LANDING-GEAR-NOSE	AIR	0	20.1909	473	0.1427	65	1228 47960000
ADJUSTING	LANDING-GEAR-NOSE	AIR	0	29.7488	597	0.1789	67	1272 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	19.3091	270P	0.260P	65	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	260P	260P	0.260P	65	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	460P	460P	0.460P	66	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	70P	70P	0.70P	66	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	120P	120P	0.120P	66	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	130P	130P	0.130P	65	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	140P	140P	0.140P	66	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	310P	310P	0.310P	66	1264 47960000
ADJUSTING	FLIGHT-CONTROLS-707-13	AIR	0	18.5183	37.0071	0.216	63	1201 47960000
ADJUSTING	MAIN-LANDING-GEAR-DOOR	AIR	0	18.5183	37.0071	0.216	63	1201 47960000
ADJUSTING	OE-ICM-PROPPELLER-ASSEMBLY	AIR	0	1.23609	1803	0.8619	65	1198 47960000

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ROUL AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1968  
SECTION I FAILURE RATE DATA

PART CLASS	QBO RDS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPU-	PART HOURS	YA RPT	CROSS DATA INDEX
PART DESCRIPTION						LATSON			
CONNECTING		DE-ICER-HYDRAULIC-PROPELLER	AIR	143.747	157.961	1432	1-412	63	1114 47996000
CONNECTING		DE-ICER-PROPELLER-ASSEMBLY	AIR	120.056	172.047	880	2-0505	63	1198 47996000
CONTROL		DOOR-EMERGENCY-SIDE-EXIT	AIR		13.9975	894	-1445	64	1290 48009000
CONTROL		DOOR-EMERGENCY-SIDE-EXIT	AIR		9.89344	260	-15274	65	1198 48009000
CONTROL		COUNTERBALANCE-SYSTEM-CANOPY	AIR		18.5059		-19874	63	1123 48004000
CONTROL		DOOR-EMERGENCY-SIDE-EXIT	AIR		23.2868	192	-09888	63	1227 48004000
CONTROL		THROTTLE-FUEL-SYSTEM	AIR	50.1279	1.92921	1714	1-7948	63	1231 48009000
CONTROL		STABILIZER-HORIZONTAL	AIR	48.1354	72.6266	946	22854	67	1272 48012000
CONTROL		STABILIZER-HORIZONTAL	AIR	61.7939	72.9192	1194	1-0357	67	1272 48012000
CONTROL		STABILIZER-HORIZONTAL	AIR	68.4442	187.423	812	-17332	64	1179 48014000
DISCONNECT		STABILIZER-HORIZONTAL	AIR	39.3804	62.1597	944	-22834	65	1228 48016000
DISCONNECT		STABILIZER-HORIZONTAL	AIR	31.3347	41.6289	812	-17332	64	1179 48016000
DISCONNECT		STABILIZER-HORIZONTAL	AIR	55.0352	65.6048	1154	1-0357	67	1272 48016000
DRIVE		AILERON-SYSTEM-FLIGHT-CONTROL	AIR	17.5024	44.3765	473	-11427	65	1228 48022000
DRIVE		PUSH-PULL-CANOPY-LOCK-STUDENT	AIR	19.9091	29.7486	907	-51789	67	1272 48024000
DRIVE		AILERON-SYSTEM-FLIGHT-CONTROL	AIR	23.1709	34.3346	597	-51789	67	1272 48026000
DRIVE		AILERON-SYSTEM-FLIGHT-CONTROL	AIR	34.2231	26.2126	404	-08746	64	1179 48028000
DRIVE		PUSH-PULL-CANOPY-LOCK-INSTRUCTOR	AIR	53.9964	71.827	597	-51789	67	1272 48030000
DRIVE		CANOPY-INSTRUCTOR	AIR	59.8502	76.155	597	-51789	67	1272 48032000
DRIVE		CANOPY-INSTRUCTOR	AIR	61.3504	10.609	473	-11427	65	1228 48034000
DRIVE		CANOPY-STUDENT	AIR	61.2584	103.009	473	-11427	65	1228 48036000
DRIVE		CANOPY-STUDENT	AIR	61.7891	78.2844	597	-51789	67	1272 48038000
DRIVE		CANOPY-INSTRUCTOR	AIR	102.649	142.097	404	-08746	64	1179 48040000
DRIVE		CANOPY-STUDENT	AIR	114.077	175.754	404	-08746	64	1179 48042000
DRIVE-PUSH-PULL		CANOPY-LOCK-STUDENT	AIR	8.7512	84.0395	473	-11427	65	1228 48044000
DRIVE-PUSH-PULL		CANOPY-LOCK-STUDENT	AIR	43.6808	91.1881	404	-08746	64	1179 48046000
DRIVE-PUSH-PULL		CANOPY-LOCK-INSTRUCTOR	AIR	96.232	145.253	473	-11427	65	1228 48048000
DRIVE-PUSH-PULL		CANOPY-LOCK-INSTRUCTOR	AIR	136.692	202.846	404	-08746	64	1179 48050000
ELEV-CONTROL		FLIGHT-CONTROLS-707-131	AIR	3109				64	2361 48052000
ELEV-CONTROL		FLIGHT-CONTROLS-707-131	AIR	3109				65	2364 48054000
ELEV-CONTROL-LH		FLIGHT-CONTROLS-707-131	AIR	3109				64	2362 48056000
ELEV-CONTROL-LH		FLIGHT-CONTROLS-707-131	AIR	909				64	2360 48058000
IS-AILERON-CONTROL		FLIGHT-CONTROLS-727	AIR	909				64	2360 48060000
LEVELER-BEAR		FLIGHT-CONTROLS-727	AIR	24.3131	64.7509	132	-08224	64	1790 48062000
LINK		LANDING-GEAR-MAIN	AIR	34.054	143.845	128	.037	59	1170 48064000
MAIN-LANDING-GEAR-DOOR		AILERON	AIR	1107				64	2365 48066000
MAIN-LANDING-GEAR-DOOR		LANDING-GEAR-727	AIR	4209				63	2363 48068000
PUSH		LANDING-GEAR-727	AIR		13.5798	109	-16550	63	1198 48070000
PUSH		LANDING-GEAR-727	AIR		27.9913	192	-08224	64	1790 48072000
PUSH		INTERCONNECT-AILERON-CONTROL-SYSTEM	AIR		59.9034	70	-04113	64	1250 48074000
PUSH		COLUMN-ELEVATOR-CONTROL-SYSTEM	AIR		46.9736	96	-04944	65	1227 48076000
PUSH		CONTROL-LANDING-GEAR	AIR		10.032	944	-22834	63	1228 48078000
PUSH		YOGUE-TUBE-ELEVATOR-ASSEMBLY	AIR		16.1435	50	-12691	65	1198 48080000
PUSH		ELEVATOR-CONTROL-SWITCH-DISCONNECT	AIR		44.3393		-04969	63	1123 48082000

-00 N.S.C.

FOR THE RECORD: 1946-1947

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WORLD AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 700 RUDDERS

PART DESCRIPTION

-00 M.O.C.

FUNCTIONAL APPLICATION

UPPER PART PART PART CROSS  
90 COMP POPS- OF DAYA INDEX  
LIMIT LATION HOURS RPT SRCE REF NO

FLIGHT-CONTROL-SYSTEM	AIR	0	18.1435	50	-12691	65	1198	48250000
FLIGHT-CONTROL	AIR	0	95.1472	48	-02472	65	1227	48250000
FLIGHT-CONTROL-SYSTEM	AIR	8.59328	13.4252	100	-12637	65	1198	48254000
FLIGHT-CONTROL-SYSTEM	AIR	11.7952	45.8799	50	-08478	63	1198	48256000
FLIGHT-CONTROL	AIR	13.3333	51.8626	50	-075	63	1114	48258000
FLIGHT-CONTROL-SYSTEM	AIR	48.6263	129.401	76	-04113	64	1250	48260000
FLIGHT-CONTROL-SYSTEM	AIR	83.3449	114.628	124	-21597	64	1155	48262000
CONTROL-FLIGHT	AIR	84.2105	136.786		-095	63	2125	48264000
FLIGHT-CONTROL-SYSTEM	AIR	319.415	411.589	404	-08744	64	1179	48266000
FLIGHT-CONTROL-SYSTEM	AIR	323.794	403.202	473	-11427	65	1228	48268000
FLIGHT-CONTROL-SYSTEM	AIR	438.317	478.802	597	-31789	67	1272	48270000
ASSEMBLY	AIR	79.6971	129.455		-10038	63	1123	48272000

ROSC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

MONELACTERNIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	705 SCREENS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR RPT SRCB REF NO	CROSS INDEX
PART DESCRIPTION									
-.00 M.O.C.									
MAST-JETTISON-FUEL-SYSTEM		AIR		0	46.5736	96	04944	65 1227 48274000	
VALVE-AIR-IGNITER-AFTERBURNER		AIR		0	45.7809	320	035	61 1060 48276000A	
VALVE-FUEL-IGNITER-AFTERBURNER		AIR		0	65.7885	320	035	61 1060 48276000A	
MAST-JETTISON-FUEL-SYSTEM		AIR		0	27.9917	132	09224	66 1250 48280000	
VALVE-FUEL-PRESSURE-AND-DUMP		AIR		0	65.7885	320	035	61 1060 48280000A	
MAST-JETTISON-FUEL-SYSTEM		AIR		0	34.8224	200	32274	65 1198 48284000	
VALVE-AIR-BLEED-COMPRESSOR		AIR		0	6.99870	608	329	66 1250 48286000	
BASIC-ENGINE		AIR		0					
VALVE-AIR-BLEED-COMPRESSOR-BASIC-ENGINE		AIR		0	11.6434	384	19770	65 1227 48288000	
VALVE-SAFETY-PRESSURIZATION-AIR-CONDITIONING		AIR		0	19.7858	100	11637	65 1198 48290000	
MAST-JETTISON-FUEL-SYSTEM		AIR		17.0454	37.959	204	176	63 1114 48292000	
MAST-JETTISON-FUEL-SYSTEM		AIR		19.6889	36.5404	100	25382	65 1198 48294000	
TAIL-CONE-FUSELAGE-AFT		HELI		1092.23	1414.2	40	02473	66 1227 48296000	
TAIL-CONE-FUSELAGE-AFT		AIR		1262.82	1772.02	40	01267	66 1227 48298000	
TAIL-CONE-FUSELAGE-AFT		AIR		1604.66	1888.65	76	04113	66 1250 48300000A	
OIL-COOL-SYSTEM		HELI		339.008	2741.86	40	0346	65 1257 48302000	
AIR-CONDITIONER-FLIGHT-DECK		AIR		0	18.1435	50	01194	65 1198 48304000	
AIR-CONDITIONER-FLIGHT-DECK		AIR		0.59328	33.4252	100	11637	65 1198 48306000	
AIR-CONDITIONER-FLIGHT-DECK		AIR		70.7714	124.226	50	08470	65 1198 48310000	
AIR-CONDITIONER-FLIGHT-DECK		AIR		80	140.428	50	075	63 1114 48312000	
REFR-UNIT-AIR-COND-CARGO-COMPARTMENT		AIR		0	18.1435	50	12691	65 1198 48314000	
GAS-TURBINE-COMP-AUX-POWER-PLANT		AIR		266.666	332.903	68	015	63 1114 48316000	
REFR-UNIT-AIR-COND-CARGO-COMPARTMENT		AIR		640.737	775.878	50	08478	65 1198 48318000	
REFR-UNIT-AIR-COND-CARGO-COMPARTMENT		AIR		739.333	877.053	50	075	63 1114 48320000	
GAS-TURBINE-COMP-AUX-POWER-PLANT		AIR		2827.18	3037.58	100	11637	65 1198 48322000	
BEARING-ENGINE/CSD-OIL-SYSTEM		AIR		0	5.8217	768	39552	65 1227 48324000	
DRAIN-WATER-SOFTENER-AIR-CONDITIONING		AIR		0	46.3736	58	05944	65 1227 48326000	
DRAIN-WATER-SOFTENER-AIR-CONDITIONING		AIR		24.3131	64.7009	152	08226	66 1250 48328000A	
ENGINE/CONSTANT-SPEED-DRIVE-OIL-SYSTEM		AIR		0	3.48939	1216	658	66 1250 48330000	
DUMP-VALVE		AIR		222.222	444.086	128	018	59 1110 48332000	
CONTROL-BYPASS-AFTERBURNER		AIR		166.666	371.155	64	018	59 1110 48334000	
ENGINE		AIR		57.1428	152.045	320	035	61 1060 48336000A	
TURBINE-PNEUMATIC-SYSTEM		AIR		83.752	325.277	31	01144	65 1111 48338000	
TURBINE-PNEUMATIC-SYSTEM		AIR		36.3636	96.769	320	055	61 1060 48340000A	
REFR-UNIT-AIR-COND-CARGO		AIR		0	13.9975	304	1625	66 1250 48342000	
REFR-UNIT-AIR-COND-CARGO		AIR		7.8796	30.6492	50	12691	65 1198 48344000	
REFR-UNIT-AIR-COND-CARGO		AIR		11.3626	44.2011	102	088	63 1114 48346000	
REFR-UNIT-AIR-COND-CARGO		AIR		35.3897	78.8016	50	08478	65 1198 48348000	
REFR-UNIT-AIR-COND-CARGO		AIR		4	89.0773	50	075	63 1114 48350000	
COMPRESSOR-AUXILIARY-POWER-UNIT		AIR		0	55.4834	76	04113	66 1250 48352000A	



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 705 SCREENS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

FAILURE RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
HOURS

YR  
OF DATA  
RPT SRCE REF NO

CROSS  
INDEX

00 N.O.C.

INLET	REF-UNIT-AIR-COND-CARGO	AIR	0	19.7868	100	.11637	65	1198	48356000
INLET	COMPRESSOR-AUX-POWER-UNIT	AIR	0	93.1472	48	.02472	65	1227	48358000
INLET	GAS-TURBINE-COMP-AUX-POWER-PLANT	AIR	8.59328	33.4252	100	.11637	65	1198	48360000
INLET	GAS-TURBINE-COMP-AUX-POWER-PLANT	AIR	23.5904	42.7777	50	.08478	63	1198	48362000
INLET	GAS-TURBINE-COMP-AUX-POWER-PLANT	AIR	26.6666	70.964	50	.075	63	1114	48364000
INLET	GAS-TURBINE-COMP-AUX-POWER-PLANT	AIR	63.0167	102.393	50	.12691	65	1198	48366000
INLET	GAS-TURBINE-COMP-AUX-POWER-PLANT	AIR	79.5454	133.76	102	.088	63	1114	48368000
PURGING	GAS-TURBINE-COMP-AUX-POWER-PLANT	AIR	8.59328	33.4252	100	.11637	65	1198	48370000
WATER-SEPARATOR	AIR-COND-FLIGHT-DECK	AIR	11.3636	44.7011	102	.088	63	1114	48372000
WATER-SEPARATOR	AIR-COND-CARGO-COMPARTMENT	AIR	17.1865	45.736	100	.11637	65	1198	48374000
WATER-SEPARATOR	AIR-COND-CARGO-COMPARTMENT	AIR	39.3979	73.0809	50	.12691	65	1198	48376000
WATER-SEPARATOR	AIR-COND-FLIGHT-DECK	AIR	39.3979	73.0809	50	.12691	65	1198	48378000
WATER-SEPARATOR	AIR-COND-FLIGHT-DECK	AIR	51.5596	90.5052	100	.11637	65	1198	48380000
WATER-SEPARATOR	AIR-COND-CARGO-COMPARTMENT	AIR	56.8181	105.394	102	.088	63	1114	48382000
WATER-SEPARATOR	AIR-COND-CARGO-COMPARTMENT	AIR	141.542	209.737	50	.08478	63	1198	48384000
WATER-SEPARATOR	AIR-COND-FLIGHT-DECK	AIR	151.338	223.613	50	.08478	63	1198	48386000
WATER-SEPARATOR	AIR-COND-CARGO-COMPARTMENT	AIR	160	237.587	50	.075	63	1114	48388000
WATER-SEPARATOR	AIR-COND-FLIGHT-DECK	AIR	173.333	252.772	50	.075	63	1114	48390000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

JANUARY 1968

MONOELECTRONIC PART FAILURE RATE DATA

PART CLASS YEA SCISSORS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER  
90 CONF  
LIMIT

PART  
POPUL-  
ATION

PART  
MOVERS

YR  
OF DATA  
RPT SRCE REF NO

CROSS  
INDEX

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MAIN-ROTOR

MAIN-ROTOR

MAIN-ROTOR

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UPPER-ARM-LANDING-GEAR-NOSE

LOWER-ARM-LANDING-GEAR-NOSE

LOWER-ARM-LANDING-GEAR-NOSE

UPPER-ARM-LANDING-GEAR-NOSE

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**FUNCTIONAL APPLICATION**

AIR	•	9,07176	180	-23382	65	1198	48426000
AIR	•	9,49344	200	-23274	65	1198	48430000
AIR	•	2,47133	800	-93097	65	1198	48432000
AIR	•	13,5798	100	-16554	63	1198	48434000
AIR	•	16,4471	1290	-14	61	1080	48436000
AIR	•	182,847	31	-01194	63	111	48438000
AIR	•	9,89344	200	-23274	65	1198	48440000
AIR	•	13,5798	100	-16956	63	1198	48442000
AIR	•	3,83108	400	-10155	65	1198	48444000
AIR	•	15,3246	100	-25362	65	1198	48446000
AIR	•	20,2976	700	-1049	63	1114	48448000
AIR	•	33,1022	40	-67823	63	1198	48450000
AIR	•	16,1915	252	-14221	64	1144	48452000

AIR	23.5908	23.1022	63	1194	48450000
AIR	.	16.1915	64	1144	48452000A

# HOME AIR DEVELOPMENT CENTER, ORIENTS, AFB, N.Y. SECTION 1: FAILURE RATE DATA

JANUARY 1968

PART CLASS 712 SEATS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
90 CONF  
LIMIT

PART  
PBP-  
LATION

PART  
HOURS

Y2  
OF DATA  
RPT SACE PER NC

CROSS  
INDEX

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AUXILIARY-CREW-FLIGHT-DECK	AIR	12.1555M	27.0696M	60	.2468M	66	1255	48474000
FLIGHT-CHECK-FLIGHT-DECK	AIR	20.2265	38.6751	96	.04944	65	1227	48-74000
ENGINEER-FLIGHT/NAVIGATOR-FLIGHT-DECK	AIR	24.2131	64.7009	152	.08226	66	1250	48474000
TRUP-CARGO-COMPARTMENT	AIR	12.7717	38.6719	3762	1.9529	65	1227	48474000
PERSONNEL-COMPARTMENT	AIR	16.2231	76.2126	406	.08766	64	1179	48474000
SPRING-CHECK-VALVE-MIL-FILTER-POWER	GRD	43.756	81.1647	473	.11427	65	1228	48474000
SECTION								
PERSONNEL-COMPARTMENT	GRD	64.8298M	124.555M	15	.0617M	66	1255	48474000
PILLOT/COPILOT-FLIGHT-DECK	AIR	79.0513	210.367	60	.0253	65	1257	48474000
PILLOT/COPILOT-FLIGHT-DECK	AIR	113.765	185.904	473	.11427	65	1228	48474000
TRUP-CARGO-COMPARTMENT	AIR	125.484	185.346	506	.08766	64	1179	48474000
INSTRUCTOR-COMPARTMENT	AIR	181.505	207.931	597	.51789	61	1272	48474000
PILLOT/COPILOT	MELI	184.331	490.531	46	.01085	65	1257	48474000
PASSENGER	MELI	200	351.87	120	.03	65	1215	48474000
STUDENT-COMPARTMENT	AIR	268.396	269.989	597	.51789	67	1772	48474000
TRUP	MELI	317.787	369.422	280	.2423	65	1257	48474000
PILLOT/COPILOT	MELI	419.075	531.55	80	.0692	66	1257	48474000
EJECTION	AIR	105.263	182.174		.095	63	2138	48504000
EJECTION	AIR	335.315	578.847		.538	63	2112	48504000
EJECTION-ASSEMBLY	AIR	340.522	504.584		.53524	66	3241	48516000

MONTELEONE PARTY PATRONAGE DATA

## 754 SEPARATORS

## FUNCTIONAL APPLICATION

**W.B.C.**

734

OPER AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

JANUARY 1968

PART CLASS 151 SERVOS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
90 CONF  
LIMIT

PART  
PRPU-  
LATION

PART  
HOURS

YR  
OF DATA INDEX  
RPT SRCE REF NO

LC N.O.C.

ACTUATOR-ELEVATOR-AUTO-FLT-CONT-SYS	AIR	0	93.1472	48	.02472	65 1227 48366000
RUDDER-AUTOPILLOT-SYSTEM	AIR	2	46.0868	50	.114	63 1138 48568000
RUDDER-AUTOPILLOT-SYSTEM	AIR	35.3057	75.8316	50	.09478	61 1024 43570000
AILERON-AUTOPILLOT-SYSTEM	AIR	41	65.0773	50	.275	63 1124 48374000
AILERON-AUTOPILLOT-SYSTEM	AIR	47.2775	82.9887	50	.12691	65 1198 48574000
ELEVATOR-AUTOPILLOT-SYSTEM	AIR	56.6161	105.394	103	.088	63 1114 48578000
ELEVATOR-AUTOPILLOT-SYSTEM	AIR	66.6666	259.313	68	.015	63 1114 48580000
AILERON-AUTOPILLOT-SYSTEM	AIR	66.6666	255.313	63	.015	63 1114 48584000
RUDDER-AUTOPILLOT-SYSTEM	AIR	68.1818	119.682	102	.088	63 1114 48588000
ELEVATOR-AUTOPILLOT-SYSTEM	AIR	77.7714	124.228	50	.08478	63 1128 48594000
RUDDER-AUTOPILLOT-SYSTEM	AIR	70.9163	111.937	50	.12691	65 1198 48598000
ELEVATOR-AUTOPILLOT-SYSTEM	AIR	70.7956	121.396	50	.12691	65 1198 48598000
ELEVATOR-AUTOPILLOT-SYSTEM	AIR	79.5434	133.76	107	.088	63 1114 48598000
ELEVATOR-AUTOPILLOT-SYSTEM	AIR	80	140.428	50	.075	63 1114 48594000
ACTUATOR-AILERON-AUTO-FLT-CONT-SYS	AIR	80.9861	215.303	48	.02472	65 1227 48596000
AUTO-FLIGHT-DC-B	AIR	100	106.157	50	.08478	66 2389 48594000
AILERON-AUTOPILLOT-SYSTEM	AIR	115.204	131.598	225	.05044	63 1198 48600000
AUTOPILLOT	AIR	120	189.413	50	.075	63 1114 48604000
AILERON-AUTOPILLOT-SYSTEM	AIR	123.076	151.969	325	.325	61 1083 48603000
ACTUATOR-YAW-DAMPER, RUDDER, AFCS	AIR	156.794	191.212	96	.287	61 1082 48609000
STABILIZER-TRIM	AIR	262.744	383.452	96	.04944	65 1227 48610000
BULKHEAD-REIL, FLIGHT-CONTROL-SYSTEM	AIR	652.075	681.347	152	1.325	64 1123 48612000
(STORAGE)	CHL	3012.65	1644.84		.6074	62 1135 48614000
AUTOPILLOT	MSL	520.833	2025.88	3	.00192	65 2440 48614000
AUTOPILLOT	MSL	669.855	1835.27	17	.00298	61 2600 48620000
AUTOPILLOT	MSL	919.54	1837.99	21	.00435	61 2600 48622000
ELEVATOR-AFCS	AIR	97.2426	104.348	76	.04113	64 1250 48624000
AILERON-AUTO-FLIGHT-CONTROL-SYSTEM	AIR	218.818	345.392	76	.04113	66 1250 48626000
YAW-DAMPER, RUDDER, AFCS	AIR	109.409	177.690	152	.08228	66 1250 48626000
MOTOR-AND-TACHOMETER	GRD	4597.7	7468.21	29	.09174	63 1125 48630000
ACTUATOR-ASSEMBLY	AIR	30				66 2389 48632000
AILERON	AIR	2109				64 2345 48634000
AUTO-PILOT-727	AIR	3709				56 2360 48636000
AUTO-PILOT-727	AIR	4009				66 2345 48638000
AUTO-PILOT-727	GRD	3261.13	4283.02		.0074	62 1125 48640000
FLIGHT-CONTROL-SYSTEM	AIR	917.97			.00251	62 2752 48642000
F-111	AIR	1709				64 2345 48644000
NAVIGATION-RBO	AIR	194.552	756.75		.00914	65 1128 48646000
NAVIGATIONAL-COMPUTER	AIR	792.748	1189.78	31	.01194	53 1111 48648000
GUN-TARGET-FIRE-CONTROL-SYSTEM	AIR	75.6463	212.467	190	.02305	64 1181 48650000
SIGNAL-DATA-CONVERTER-COMM-SYS	GRD	749.063	1993.37	36	.08247	63 1125 48652000

BLOCK-ASSEMBLY





ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	75% SERVO	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
-00 M.G.C.									
SERVOCYLINDER-ASSEMBLY, VERNIER-OUTBOARD		AUTOPILOT	LAB	9	28782.5	3	.00004	61	2600 48716000
SERVOCYLINDER-ASSEMBLY, VERNIER-OUTBOARD		AUTOPILOT	LAB	9	9116.88	50	.00045	61	2600 48718000
SERVOCYLINDER-ASSEMBLY, VERNIER-OUTBOARD		AUTOPILOT	LAB	1538.46	5074.44	48	.00269	61	2600 48720000
SERVOCYLINDER-ASSEMBLY, VERNIER-OUTBOARD		AUTOPILOT	MSL	2702.7	10913.7	34	.00437	61	2600 48722000
SPEED-STABILITY-AMP		AUTO-PILOT-88C	AIR	170P				66	2363 48724000
SPEED-STABILITY-AMP		AUTO-PILOT-88C	AIR	180P				65	2363 48726000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	300P				66	2363 48728000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	310P				66	2364 48730000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	320P				65	2364 48732000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	340P				66	2364 48734000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	360P				66	2361 48736000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	420P				65	2364 48738000
STABILIZER-TRIM		AUTO-PILOT-331C/373C	AIR	480P				66	2364 48740000
STABILIZER-TRIM		AUTO-PILOT-331C/373C	AIR	510P				66	2363 48742000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	520P				66	2363 48744000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	560P				66	2361 48746000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	580P				66	2364 48748000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	680P				65	2361 48750000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	700P				66	2362 48752000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	740P				66	2362 48754000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	770P				65	2361 48756000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	800P				65	2362 48760000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	840P				66	2364 48762000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	910P				65	2362 48764000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	930P				66	2364 48766000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	920P				66	2361 48768000
STABILIZER-TRIM		AUTO-PILOT-331C/373C	AIR	1000P				66	2366 48770000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	1040P				65	2361 48772000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	1070P				66	2364 48774000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	1110P				66	2361 48776000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	1180P				66	2362 48778000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	1200P				66	2364 48780000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	1210P				66	2362 48782000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	1320P				66	2361 48784000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	1350P				66	2362 48786000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	1360P				66	2364 48788000
STABILIZER-TRIM		AUTO-PILOT-331C/373C	AIR	1390P				65	2366 48790000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	1420P				66	2361 48792000
STABILIZER-TRIM		AUTO-PILOT-707-331B	AIR	1400P				66	2362 48794000

ROME AIR DEVELOPMENT CENTER, GRIFPLS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1964

PART CLASS	755 SERVO	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART NO.	YR OF DATA	CROSS INDEX
PART DESCRIPTION								
STABILIZER-TRIM		AUTO-PILOT-707-131B	AIR	190P			65 2361	40780000
STABILIZER-TRIM		AUTO-PILOT-707-131	AIR	205P			64 2361	40800000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	217P			64 2362	40802000
STABILIZER-TRIM		AUTO-PILOT-707-331	AIR	239P			65 2362	40804000
STABILIZER-TRIM		AUTO-PILOT-331C/373C	AIR	244P			65 2365	40806000
SURFACE		AUTO-PILOT-707-231	AIR	90P			64 2361	40808000
SURFACE		AUTO-PILOT-707-131B	AIR	110P			64 2361	40810000
SURFACE		AUTO-PILOT-707-331B	AIR	140P			64 2361	40812000
SURFACE		AUTO-PILOT-707-131	AIR	150P			64 2361	40814000
SURFACE		AUTO-PILOT-707-331B	AIR	190P			64 2364	40816000
SURFACE		AUTO-PILOT-707-131	AIR	220P			64 2364	40818000
SURFACE		AUTO-PILOT-707-131B	AIR	240P			64 2361	40820000
SURFACE		AUTO-PILOT-880	AIR	250P			64 2360	40822000
SURFACE		AUTO-PILOT-707-331	AIR	260P			65 2361	40824000
SURFACE		AUTO-PILOT-707-131B	AIR	270P			65 2361	40826000
SURFACE		AUTO-PILOT-707-331B	AIR	280P			64 2362	40828000
SURFACE		AUTO-PILOT-880	AIR	300P			64 2363	40830000
SURFACE		AUTO-PILOT-707-231	AIR	310P			64 2364	40832000
SURFACE		AUTO-PILOT-707-331B	AIR	340P			65 2361	40834000
SURFACE		AUTO-PILOT-707-331	AIR	340P			65 2362	40836000
SURFACE		AUTO-PILOT-880	AIR	360P			65 2363	40838000
SURFACE		AUTO-PILOT-707-131B	AIR	420P			65 2364	40840000
SURFACE		AUTO-PILOT-880	AIR	450P			64 2360	40842000
SURFACE		AUTO-PILOT-880	AIR	450P			64 2363	40844000
SURFACE		AUTO-PILOT-707-331B	AIR	460P			64 2362	40846000
SURFACE		AUTO-PILOT-331C/373C	AIR	490P			65 2363	40848000
SURFACE		AUTO-PILOT-707-331B	AIR	510P			64 2364	40850000
SURFACE		AUTO-PILOT-331C/373C	AIR	540P			64 2363	40852000
SURFACE		AUTO-PILOT-707-131	AIR	590P			65 2364	40854000
SURFACE		AUTO-PILOT-707-131	AIR	600P			65 2362	40856000
SURFACE		AUTO-PILOT-707-331	AIR	620P			64 2362	40858000
SURFACE		AUTO-PILOT-707-131B	AIR	640P			65 2362	40860000
SURFACE		AUTO-PILOT-707-131B	AIR	670P			64 2364	40862000
SURFACE		AUTO-PILOT-707-331	AIR	670P			64 2364	40864000
SURFACE		AUTO-PILOT-707-131	AIR	670P			64 2361	40866000
SURFACE		AUTO-PILOT-707-131	AIR	680P			64 2364	40868000
SURFACE		AUTO-PILOT-707-131	AIR	740P			64 2362	40870000
SURFACE		AUTO-PILOT-707-131	AIR	740P			64 2362	40872000
SURFACE		AUTO-PILOT-880	AIR	790P			65 2360	40874000
SURFACE		AUTO-PILOT-880	AIR	840P			64 2363	40876000
SURFACE		AUTO-PILOT-707-331	AIR	840P			64 2361	40878000
SURFACE		AUTO-PILOT-707-131B	AIR	920P			64 2364	40880000
SURFACE		AUTO-PILOT-707-331	AIR	930P			65 2364	40882000
SURFACE		AUTO-PILOT-331C/373C	AIR	1000P			64 2360	40884000

JANUARY 1968

WONELECTRONIC PART FAILURE RATE DATA

WONE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

PART CLASS 755 SERVO

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
TO COMP  
LIMIT

PART  
LATION  
HOURS

YR  
OF DATA  
RPT SRC REF NO

.00 M.O.C.

SURFACE  
SURFACE  
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AUTO-PILOT-707-131  
AUTO-PILOT-707-131B  
AUTO-PILOT-880  
AUTO-PILOT-880  
AUTO-PILOT-331C/373C  
AUTO-PILOT-331C/373C  
AUTO-PILOT-707-331B  
AUTO-PILOT-331C/373C  
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5073145

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

FAILURE RATE DATA

COART CLASS 743 SHOTS

PART DESCRIPTION

## FUNCTIONAL APPLICATION

100

LANDING-GEAR,MAIN	AIR	2.8409	5.67123	1632	1.508	63	1114	48980000
LANDING-GEAR,MAIN	AIR	4.04858	15.9477	1089	.947	63	1114	48980000
LANDING-GEAR,MAIN	AIR	5.37085	8.27009	1690	1.0619	63	1114	48980000
LANDING-GEAR,MAIN	AIR	9.1573	12.7567	800	2.0509	63	1114	48980000
LANDING-GEAR,MAIN	AIR	94.5821	63.6126	800	1.3365	63	1114	48980000
LANDING-GEAR,MAIN	AIR	57.5479	67.4041	800	1.199	63	1114	48980000
SHAKE	AIR	9	164.471		.014	63	1114	48980000
TRACK-DRIVE.(IN-MILES)	GRD	1.91522M	2.71864M	1905	7.832M	66	1257	49002000
MAIN	HELI	86.6425	128.386	140	-1385	66	1257	49002000
SKID-W/HARDWARE	HELI	366.663	590.834	80	.0217	66	1257	49002000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS Y64 SHROUDS

PART DESCRIPTION

.00 M.O.C.

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LITATY	PART POPU- LATION	PART HOURS	VA OF DATA RPT	CROSS INDEX SEE REF NO
TORQUE-SHAFT-HSG-BASIC-ENGINE	AIR	0	4.94679	400	-22543	63	1198 49006000
TORQUE-SHAFT-HSG-BASIC-ENGINE	AIR	0	10.0732	944	-22894	63	1228 49006000
DUCT-COOLING-AIR-INDUCTION-TURBOPROP	AIR	0	10.0732	944	-22894	63	1228 49010000
TORQUE-SHAFT-HSG-BASIC-ENGINE	AIR	2.14932	6.35602	400	-44548	63	1153 49012000
TORQUE-SHAFT-HSG-BASIC-ENGINE	AIR	2.9428	11.4699	200	-33712	63	106 49014000
TORQUE-SHAFT-HSG-BASIC-ENGINE	AIR	3.34448	13.009	200	-299	63	1114 49016000
TORQUE-SHAFT-HSG-BASIC-ENGINE	AIR	5.88972	15.0773	400	-353	63	1114 49018000
EX-AUST-NOZZLE-AFTERBURNER	AIR	9.84909	10.2705	200	-50743	63	1198 49020000
RECETIVING-SET-APS-54	AIR	32.4254	64.7985		-12334	63	1123 49022000
INSULATING-BLANKET-ENGINE	AIR	41.4935	102.953	62	-02387	63	111 49024000
AFTERBURNER	AIR	43.9347	81.5		-1130	63	1123 49026000
TAILPIPE	AIR						
ENGINE-AFT	AIR	486.988	527.894		-558	63	2111 49028000
ENGINE-FORWARD	AIR	736.842	803.052		-095	63	2120 49030000
ENGINE-POWER-PLANT-SYSTEM	AIR	787.894	885.7		-095	63	2120 49032000
		119.85	104.877	256	-04475	64	1225 49034000

COOLING

HOME AIR DEVELOPMENT CENTER, CRIFLESS AFB, N.V.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1961

PART CLASS	TIME SKIN	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT	CROSS INDEX REF NO
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	46.5126	96	0.04944	65	1227 49038000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.1597	50	0.08478	63	1198 49038000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	19.7826	100	0.11637	65	1198 49042000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.9917	32	0.08224	66	1250 49042000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	18.1431	50	0.12691	65	1198 49044000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	23.2882	946	0.22854	65	1228 49046000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	22.7924	1194	0.10357	67	1272 49048000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	45.594	812	0.17532	64	1179 49050000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	159.312	1194	0.10357	67	1272 49052000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	15.7868	100	0.11637	65	1198 49054000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	16.1435	50	0.12691	65	1198 49056000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.9917	152	0.09226	66	1250 49058000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	13.1336	812	0.17532	64	1179 49060000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	18.1435	50	0.12691	65	1198 49062000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	46.5776	96	0.04944	65	1227 49064000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	93.1412	48	0.04944	65	1227 49066000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	55.9834	76	0.04113	66	1250 49068000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	55.9834	76	0.04113	66	1250 49070000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.1597	50	0.08478	63	1198 49072000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	19.7868	100	0.11637	65	1198 49074000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	26.2673	406	0.08766	64	1179 49076000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	21.9917	152	0.08226	66	1250 49078000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	55.9834	76	0.04113	66	1250 49080000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	46.5776	96	0.04944	65	1227 49082000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	15.7868	100	0.11637	65	1198 49084000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.1597	50	0.08478	63	1198 49086000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	9.07178	100	0.25382	65	1198 49088000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	46.5776	96	0.04944	65	1227 49090000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.9917	152	0.08226	66	1250 49092000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	15.7868	100	0.11637	65	1198 49094000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	17.0157	446	0.22854	65	1228 49096000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	5.89751	100	0.16956	63	1198 49098000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	8.59328	100	0.11637	65	1198 49100000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	17.5024	473	0.11427	65	1228 49102000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	42.48	597	0.1789	67	1272 49104000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	53.0687	1194	0.10357	67	1272 49106000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	259.313	68	0.015	63	1114 49108000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	13.2708	100	0.16956	63	1198 49110000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	9.07178	100	0.25382	65	1198 49112000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	9.07178	100	0.25382	65	1198 49114000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	19.7868	100	0.11637	65	1198 49116000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	19.7868	100	0.11637	65	1198 49118000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.1597	50	0.08478	63	1198 49120000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	27.1597	50	0.08478	63	1198 49122000
AIRLIFTON		FLIGHT-CONTROL-SYSTEM	AIR	0	18.1435	50	0.12691	65	1198 49124000

107 N.O.C.

# AGM-129 AIR DEVELOPMENT CENTER, WILLOW AIR, MOY- SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	705 IN	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART KOPU-LATION	PART HOURS	YR OF DATA	CROSS INDEX
DOOR-EMERGENCY		FORWARD-ESCAPE-HATCH	AIR	0	93.1472	48	-02472	65	1227 49126000
DOOR-EMERGENCY		CENTER-EXIT-TOPI	AIR	0	19.7868	100	-11637	65	1198 49128500
DOOR-EMERGENCY		REAR-ESCAPE-HATCH-CARGO-COMPARTMENT	AIR	0	93.1472	48	-02472	65	1227 49130500
DOOR-EMERGENCY		SIDE-EXIT	AIR	0	18.1435	50	-12691	65	1198 49132000
DOOR-EMERGENCY		ESCAPE-HATCH-CARGO-COMPARTMENT	AIR	0	93.1472	48	-02472	65	1227 49134000
DOOR-EMERGENCY		CENTER-EXIT-TOPI	AIR	0	18.1435	50	-12691	65	1198 49136000
DOOR-EMERGENCY		FORWARD-EXIT-TOPI	AIR	0	18.1435	50	-12691	65	1198 49138000
DOOR-EMERGENCY		FORWARD-EXIT-TOPI	AIR	0	19.7868	100	-11637	65	1198 49140000
DOOR-EMERGENCY		AFT-ESCAPE-HATCH-CARGO-COMPARTMENT	AIR	0	93.1472	48	-02472	65	1227 49142000
DOOR-EMERGENCY		AFT-EXIT-TOPI	AIR	0	19.7868	100	-11637	65	1198 49144000
DOOR-EMERGENCY		AFT-ESCAPE-HATCH-CARGO-COMPARTMENT	AIR	0	93.1472	48	-02472	65	1227 49146000
DOOR-EMERGENCY		SIDE-EXIT	AIR	0	19.7868	100	-11637	65	1198 49148000
DOOR-EMERGENCY		FORWARD-ESCAPE-HATCH-CARGO-COMPARTMENT	AIR	0	93.1472	48	-02472	65	1227 49150000
DOOR-EMERGENCY		FORWARD-ESCAPE-HATCH-CARGO-COMPARTMENT	AIR	0	27.1597	50	-08478	63	1198 49152000
DOOR-EMERGENCY		CENTER-EXIT-TOPI	AIR	0	27.1597	50	-08478	63	1198 49154000
DOOR-EMERGENCY		AFT-CARGO	AIR	0	27.1597	50	-08478	63	1198 49156000
DOOR-EMERGENCY		FORWARD-CARGO	AIR	0	116	100	-01965	65	1198 49158000
DOOR-EMERGENCY		FORWARD-CARGO	AIR	0	18.1435	50	-12691	65	1198 49160000
DOOR-EMERGENCY		FORWARD-CARGO	AIR	0	27.1597	50	-08478	63	1198 49162000
DOOR-EMERGENCY		AFT-CARGO	AIR	0	18.1435	50	-12691	65	1198 49164000
DOOR-EMERGENCY		RAMP-CARGO	AIR	0	93.1472	48	-02472	65	1227 49166000
DOOR-EMERGENCY		RAMP	AIR	0	19.7868	100	-11637	65	1198 49168000
DOOR-EMERGENCY		RAMP	AIR	11.7952	45.8799	50	-08478	63	1198 49170000
DOOR-EMERGENCY		RAMP	AIR	17.1565	47.2854	152	-08226	64	1250 49172000
DOOR-EMERGENCY		RAMP	AIR	13.3333	51.8626	50	-075	65	1114 49174000
DOOR-EMERGENCY		RAMP	AIR	15.7579	41.9342	50	-12692	65	1198 49176000
DOOR-EMERGENCY		RAMP	AIR	20.2265	75.4751	96	-04944	65	1227 49178000
DOOR-EMERGENCY		RAMP	AIR	22.7272	60.4806	102	-088	63	1114 49180000
DOOR-EMERGENCY		RAMP	AIR	54.3731	68.6908	100	-11637	65	1198 49182000
DOOR-EMERGENCY		RAMP	AIR	72.9394	162.431	76	-04113	66	1250 49184000
DOOR-EMERGENCY		RAMP	AIR	0	93.1472	48	-02472	65	1227 49186000
DOOR-EMERGENCY		RAMP	AIR	0	93.1472	48	-02472	65	1227 49188000
DOOR-EMERGENCY		RAMP	AIR	0	46.5736	96	-04944	65	1227 49190000
DOOR-EMERGENCY		RAMP	AIR	0	19.7868	100	-11637	65	1198 49192000
DOOR-EMERGENCY		RAMP	AIR	0	27.1597	50	-08478	63	1198 49194000
DOOR-EMERGENCY		RAMP	AIR	0	93.1472	48	-02472	65	1227 49196000
DOOR-EMERGENCY		RAMP	AIR	0	93.1472	48	-02472	65	1227 49198000
DOOR-EMERGENCY		RAMP	AIR	0	27.9917	152	-08226	66	1250 49200000
DOOR-EMERGENCY		RAMP	AIR	7.8796	50.5492	50	-12691	65	1198 49202000
DOOR-EMERGENCY		RAMP	AIR	11.3646	44.2011	102	-058	64	1114 49204000
DOOR-EMERGENCY		RAMP	AIR	0	93.1472	48	-02472	65	1227 49206000
DOOR-EMERGENCY		RAMP	AIR	0	93.1472	48	-02472	65	1227 49208000
DOOR-EMERGENCY		RAMP	AIR	0	27.9917	152	-08226	66	1250 49210000
DOOR-EMERGENCY		RAMP	AIR	0	46.5736	96	-04944	65	1227 49212000

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

WONELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS	165 SKIN	FUNCTIONAL APPLICATION		ENVIRONMENT		FAILURE RATE		UPPER 90 CONF LIMIT		PART POPULATION		PART HOURS		YR OF DATA	CROSS INDEX
PART DESCRIPTION														API SPEC REF	WB
00 N.O.C.															
RUDDER-ASSEMBLY				AIR		0		27.1297		50		-0.0418		63	1198 452780000
RUDDER-ASSEMBLY				AIR		0		19.7868		100		-1.1637		65	1198 493800000
SHEET-MING-CENTER				AIR		0		18.1435		50		-1.2891		65	1198 493820000
SHEET-MING-CENTER				AIR		11.7952		45.8759		50		-0.8478		63	1198 493840000
SHEET-MING-CENTER				AIR		13.3333		51.8626		50		-0.75		63	1114 493860000
SHEET-MING-IMBOARD				AIR		24.3131		94.5708		76		-0.4113		66	1290 493880000
SHEET-MING-OUTBOARD				AIR		40.4523		127.22		48		-0.2472		65	1227 493900000
SHEET-MING-OUTBOARD				AIR		0		55.9834		76		-0.4113		66	1290 493920000
SHEET-MING-OUTBOARD				AIR		0		93.1472		48		-0.2472		65	1227 493940000
SHEET-MING-OUTER				AIR		0		19.7868		100		-1.1637		65	1198 493960000
SHEET-MING-OUTER				AIR		11.7952		45.8759		50		-0.8478		63	1198 493980000
SHEET-MING-OUTER				AIR		13.3333		51.8626		50		-0.75		63	1114 494000000
SHEET-MING-OUTER				AIR		15.7591		41.9375		50		-1.2891		65	1198 494020000
SHEET-MING-OUTER				AIR		22.7272		60.4806		102		-0.8478		63	1114 494040000
EMPERNAGE				AIR		0		502.512		31		-0.1194		63	1114 494060000
EMPERNAGE				AIR		0		93.1472		48		-0.2472		65	1227 494080000
EMPERNAGE				AIR		0		18.1435		50		-1.2891		65	1198 494100000
EMPERNAGE				AIR		11.7952		45.8759		5		-0.8478		63	1198 494120000
EMPERNAGE				AIR		13.3333		51.8626		20		-0.75		63	1114 494140000
EMPERNAGE				AIR		26.2336		58.465		478		-1.1427		65	1225 494160000
EMPERNAGE				AIR		68.4462		120.147		406		-0.8766		64	1179 494180000
EMPERNAGE				AIR		234.433		269.41		297		-5.1789		67	1272 494200000
EMPERNAGE				AIR		0		55.9834		76		-0.4113		66	1290 494220000
EMPERNAGE				AIR		0		19.7868		100		-1.1637		65	1198 494240000
EMPERNAGE				AIR		0		18.1435		50		-1.2891		65	1198 494260000
EMPERNAGE				AIR		0		93.1472		48		-0.2472		65	1227 494280000
EMPERNAGE				AIR		0		26.1505		473		-1.1427		65	1225 494300000
EMPERNAGE				AIR		0		27.1597		50		-0.2472		63	1198 494320000
EMPERNAGE				AIR		22.8154		60.7152		406		-0.8766		64	1179 494340000
EMPERNAGE				AIR		0		55.9834		76		-0.4113		66	1290 494360000
EMPERNAGE				AIR		73.3746		91.1134		597		-5.1739		67	1272 494380000
EMPERNAGE				AIR		202.312		240.199		40		-0.346		64	1257 494400000
EMPERNAGE				AIR		236.779		527.292		40		-0.1267		66	1257 494420000
EMPERNAGE				AIR		294.117		783.691		20		-0.908		66	1257 494440000
EMPERNAGE				AIR		1711.11		1830.58		26		-0.654		66	1257 494460000
EMPERNAGE				AIR		751.445		977.83		40		-0.346		66	1257 494480000
EMPERNAGE				AIR		789.265		1219.99		40		-0.1267		66	1257 494500000
EMPERNAGE				AIR		2592.55		3727.4		20		-0.054		64	1257 494520000
EMPERNAGE				AIR		6.7114		26.1053		100		-1.49		63	1114 494540000
EMPERNAGE				AIR		5.89761		22.9399		192		-1.2346		63	1198 494560000
EMPERNAGE				AIR		0		27.9917		132		-0.8726		66	1290 494580000
EMPERNAGE				AIR		40.453		107.651		96		-0.4944		65	1227 494600000

HOME AIR RESEARCH CENTER, SUITE 100, 6231 N.Y.  
SECTION 1 - FAILURE RATE DATA

MODEL: CYCLOPS PART: FAILURE RATE DATA JANUARY 1999

PART CLASS	765 GRIN	FUNCTIONAL APPLICATION	TEMPERATURE	FAILURE RATE	UPPER 90 CONF LIMIT	PART LAYER	PERCENT OF DATA	CHARTS
WING			AIR	22.8134	23.544	612	17532	64 1776 444.2500
WING			AIR	42.724	61.4135	944	22874	65 1228 444.2500
WING-CENTERBOX-DEAM			AIR	148.584	175.232	1744	1.0357	67 1272 444.2500
WING-CENTERBOX-DEAM			AIR	24.3131	94.5708	76	84419	66 1230 444.2500
WING-FLAP			AIR	40.453	157.35	48	81472	68 1227 444.2500
WING-FLAP-ASSEMBLY		FLIGHT-CONTROL	AIR	11.4077	90.2574	912	17532	64 1776 444.2500
WING-FLAP-ASSEMBLY			AIR	7.8746	50.4597	50	17532	65 1228 444.2500
WING-FLAP-ASSEMBLY			AIR	11.2634	44.2011	192	844	63 1214 444.2500
WING-FLAP-ASSEMBLY			AIR	13.1264	29.2323	646	37844	65 1228 444.2500
WING-FLAP-ASSEMBLY			AIR	59.0313	109.5	50	8447	62 1198 444.2500
WING-FLAP-ASSEMBLY			AIR	66.6504	123.442	50	8447	63 1214 444.2500
WING-FLAP-ASSEMBLY			AIR	60.6444	123.442	50	8447	62 1198 444.2500
WING-FLAP-ASSEMBLY			AIR	111.712	162.41	166	11637	65 1228 444.2500
WING-FLAP-SYSTEM			AIR	.	23.2048	192	844	63 1214 444.2500
WING-FLAP-SYSTEM			AIR	.	13.9475	504	1645	64 1250 444.2500
WING-FLAP-SYSTEM			AIR	92.6909	106.001	1104	1.0357	67 1272 444.2500

90 N.O.C.

JOINT AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
CIGN I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

09061 AMFIMAT

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CRSS INDEX REF NO
HYDRAULIC-SYSTEM	AIR	2.95737	200	28185	52	1198 49494000
HYDRAULIC-SYSTEM	AIR	3.62877	250	63454	65	1198 49494000
BRAKE-SYSTEM	AIR	3.9398	100	25382	65	1198 49498008
BRAKE-SYSTEM	AIR	4.29664	200	23274	65	1198 49500000
BRAKE-SYSTEM	AIR	5.68181	204	176	63	1114 49502000
FLIGHT-CONTROLS-707-331B	AIR	140P			66	2361 49504000
FLIGHT-CONTROLS-707-331	AIR	34CP			66	2364 49506000
FLIGHT-CONTROLS-707-331B	AIR	420P			65	2364 49508000
FLIGHT-CONTROLS-707-331B	AIR	58CP			66	2364 49510000
FLIGHT-CONTROLS-707-331	AIR	620P			63	2364 49512000
FLIGHT-CONTROLS-707-331	AIR	68CP			65	2362 49514000
FLIGHT-CONTROLS-707-331	AIR	93CP			66	2362 49516000
FLIGHT-CONTROLS-727	AIR	109CP			66	2360 49518000
DOORS-707-131	AIR	110P			66	2364 49520000
DOORS-707-131	AIR	120P			66	2362 49522000
DOORS-707-131	AIR	15CP			65	2362 49524000
DOORS-707-131	AIR	220P			66	2361 49526000
DOORS-707-321	AIR	620P			66	2362 49528000
DOORS-707-121	AIR	110P			66	2364 49530000
DOORS-707-131	AIR	110P			66	2361 49532000
DOORS-707-131	AIR	130P			65	2361 49534000
DOORS-707-21	AIR	150P			65	2364 49536000
DOORS-707-21	AIR	150P			66	2362 49538000
DOORS-707-331	AIR	170P			65	2362 49540000
DOORS-707-121	AIR	300P			62	2362 49542000
FLIGHT-CONTROLS-707-131B	AIR	6CP			66	2361 49544000
FLIGHT-CONTROLS-707-131B	AIR	70P			65	2364 49546000
FLIGHT-CONTROLS-707-131B	AIR	79P			66	2364 49548000
FLIGHT-CONTROLS-707-131B	AIR	80P			65	2362 49550000
FLIGHT-CONTROLS-707-331B	AIR	10CP			66	2364 49552000
FLIGHT-CONTROLS-707-231B	AIR	120P			66	2362 49554000
FLIGHT-CONTROLS-707-131	AIR	140P			65	2364 49556000
FLIGHT-CONTROLS-707-331B	AIR	14CP			66	2362 49558000
FLIGHT-CONTROLS-707-131	AIR	150P			65	2362 49560000
FLIGHT-CONTROLS-707-131B	AIR	150P			66	2362 49562000
FLIGHT-CONTROLS-707-331	AIR	160P			66	2364 49564000
FLIGHT-CONTROLS-707-331	AIR	220P			66	2362 49566000
FLIGHT-CONTROLS-707-131	AIR	110P			66	2364 49568000
LANDING-GEAR-707-131	AIR	130P			63	2361 49570000
LANDING-GEAR-707-131	AIR	130P			65	2361 49572000
LANDING-GEAR-707-131	AIR	150P			65	2364 49574000
LANDING-GEAR-707-131	AIR	230P			66	2364 49576000
LANDING-GEAR-707-131	AIR	240P			66	2361 49578000
LANDING-GEAR-707-131	AIR	34CP			66	2362 49580000
LANDING-GEAR-707-131	AIR	34CP			66	2361 49582000

LOS ALAMOS DEVELOPMENT CENTER, CRIPPLES AVE. 6.72  
SECTION 1 FAILURE RATE DATA

WHEELS CYCLOPS PARCY FALLS 24TH DATA

[illegible]

HOME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

MEM ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	760 SMOOTHERS	UPPER 50 CONF	PART POPUL-	FAIL HOURS	VR OF DATA INDEX	CROSS PPT SREE REF NO
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	DATE	LIMIT	
100 N.B.C.			LAB	1		63 1138 40674000
SHOCK DAMPER			ATR	30		61 1038 49876000
CURCE HYDRAULIC						







ARMED AIR DEVELOPMENT CENTER, MISSISSIPPI AFB, MS  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 772 SPARS

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 M.O.C.

WING  
WING  
WING

FAILURE RATE	UPPER PART	PART OF DATA	WING
5.70305	22.1862	612	64 5174 2441335
70.0096	70.2372	000	00 1220 0000000
112.667	127.963	1164	00 1222 1200000

ROKX AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.

JANUARY 1968

SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	713 SPINNERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRC	CROSS INDEX REF NO
PART DESCRIPTION									
		CENTER-SECTION-PROPELLOR-ASSEMBLY	AIR	2-14822	8-32632	400	45548	63	1198 49852000
		CENTER-SECTION-PROPELLOR-ASSEMBLY	AIR	5-90981	13-1607	200	50763	63	1198 49854000
		CENTER-SECTION-HYDROMATIC-PROPELLOR	AIR	8-49858	18-9257	408	353	63	1114 49856000
		NOSE-SECTION-HYDROMATIC-PROPELLOR	AIR	16-129	67-737	272	1062	63	1114 49858000
		REAR-SECTION-PROPELLOR-ASSEMBLY	AIR	29-449	41-9447	200	50763	63	1198 49860000
		REAR-SECTION-HYDROMATIC-PROPELLOR	AIR	32-258	81-8435	272	1062	63	1114 49862000
		REAR-SECTION-HYDROMATIC-PROPELLOR	AIR	33-9942	50-3726	408	353	63	1114 49864000
		NOSE-SECTION-PROPELLOR-ASSEMBLY	AIR	64-4496	82-313	400	46548	63	1198 49866000
		REAR-SECTION-PROPELLOR-ASSEMBLY	AIR	64-526	115-542	400	46548	63	1198 49868000
		CENTER-SECTION-PROPELLOR-ASSEMBLY	AIR	106-255	126-401	200	33912	63	1198 49870000
		CENTER-SECTION-HYDROMATIC-PROPELLOR	AIR	107-023	135-594	200	297	63	1114 49872000
		REAR-SECTION-PROPELLOR-ASSEMBLY	AIR	115-003	142-395	200	33912	63	1198 49874000
		REAR-SECTION-HYDROMATIC-PROPELLOR	AIR	120-401	156-428	200	299	63	1114 49876000
		NOSE-SECTION-HYDROMATIC-PROPELLOR	AIR	214-113	274-214	200	299	63	1114 49878000
		NOSE-SECTION-PROPELLOR-ASSEMBLY	AIR	238-853	276-492	200	33912	63	1198 49880000
		NOSE-SECTION-HYDROMATIC-PROPELLOR	AIR	266-288	305-058	408	353	63	1114 49882000
		NOSE-SECTION-PROPELLOR-ASSEMBLY	AIR	269-881	301-898	200	50763	63	1198 49884000
			AIR	111-507	302-06	64	101762	63	1201 49886000

PROPELLOR

60 N-G-1

ARMC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA  
 MECHANISMS PART FAILURE RATE DATA  
 JANUARY 1964

PART CLASS	77A SPOILERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART PARTS PER HOUR	YR OF DATA	COSTS
PART DESCRIPTION						HOURS	RPT SINCE REF NO	
.00 N.O.C.								
VALUE-JOINT		PANEL-FLIGHT-CONTROL-SYSTEM	AIR	32.4119	11.4694	.20074	53 1123	49000000
VALVE-JOINT		WING	AIR	634.274	46.599	.43194	64 1155	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-131	AIR	30P	720.781	.16712	63 1311	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-131B	AIR	10P			66 2362	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-131	AIR	10P			66 2364	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-131	AIR	10P			66 2364	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-331B	AIR	20P			66 2362	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-331B	AIR	20P			66 2362	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-131B	AIR	40P			66 2364	49000000
VALVE-JOINT		FLIGHT-CONTROLS-707-331B	AIR	40P			66 2364	49000000

HOME AID DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION 1 FAILURE RATE DATA

PART CLASS 775 SPRAYGARS

**PART DESCRIPTION**

**U.S.C.**

**PILGR**  
**PILGR**

MAIN. AFTERBURNER. FUEL. TURBOJET. J-85 AIR  
AFTERBURNER. FUEL. TURBOJET. J-85 AIR  
AFTERBURNER. FUEL. TURBOJET. J-85 AIR

VR OF DATA INDEX CROSS  
RPT SALE REF NO

UPPER	PART
90 CONF	PAPU-
LIMIT	LATION

# ENVIRONMENT RATE FAILURE

## FUNCTIONAL APPLICATION

## PART HOURS

**PLAYERS-**

11 MAY 1966

# FAILURE

# NEW! BROADBENT

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1000

100

[illegible]

**Figure 1**

100

65 1228 49910002  
64 1179 49912000  
63 1228 49914000

2.7425  
40744  
91415

11352  
3248  
3784

3.94067  
74.143  
73.1439

729262  
 36.45  
 61-759

AIR  
AIR  
AIR

J-85

10-11-1961

**SECRET**

**1. FUEL**

2. FUEL

**AFTER  
DURING**

**AFTE**

ROME AIR DEVELOPMENT CENTER, GRIPPISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	776 SPROCKETS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	PART HOURS	TH	CROSS DATA INDEX
PART DESCRIPTION									RPT SRCE REF NO
.00 N.O.C.									
	AILERON-CONTROL-SYSTEM		AIR	0	9.89344	200	.23274	65	1198 49516000
	STEERING-LANDING-GEAR		AIR	0	93.1472	48	.02472	65	1227 49918000
	STEERING-LANDING-GEAR		AIR	0	9.07178	100	.25382	65	1198 49920000
	STEERING-LANDING-GEAR		AIR	0	25.9834	76	.04112	66	1258 49922000A
	STEERING-LANDING-GEAR		AIR	0	19.7868	100	.11637	65	1198 49924000
	STEERING-LANDING-GEAR		AIR	11.7932	42.1795	50	.08478	63	1198 49926000
	STEERING-LANDING-GEAR		AIR	13.3533	51.0626	50	.075	63	1114 49928000

NAME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	777 STABILIZERS					UPPER	PART			YR	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	90 CONF LIMIT	POPULATION	PART HOURS	OF DATA	INDEX	REF		
.00 N.G.C.											
FLIGHT-CONTROL-SYSTEM											
BAR-MAIN-ROTOR		AIR	9.20034	24.6437	126	-2.1597	64	1132	49930000		
BAR-MAIN-ROTOR		MELI	92.1458	358.497	40	-0.0085	66	1257	49747500		
BAR-MAIN-ROTOR		MELI	473.559	631.262	40	-0.1267	66	1257	49934000		
BAR-MAIN-ROTOR		MELI	1676.3	1995.17	40	-0.346	66	1257	49930000		
BAR-MAIN-ROTOR		MELI	17794.1	20051.7	20	-0.068	66	1257	49930000		
EMPELLAGE		AIR	0	27.1597	50	-0.0478	63	1198	49930000		
EMPELLAGE		AIR	0	25.9824	75	-0.0413	66	1250	49942000		
EMPELLAGE		AIR	0	95.1472	48	-0.2472	63	1227	49930000		
EMPELLAGE		AIR	0	19.7848	100	-1.1637	69	1198	49930000		
EMPELLAGE		AIR	0	18.1435	50	-1.2691	65	1198	49930000		
FLIGHT-CONTROL		AIR	273.785	340.290	406	-0.0766	64	1179	49950000		
FLIGHT-CONTROL		AIR	393.804	480.248	473	-1.1427	65	1228	49952000		
FLIGHT-CONTROL		AIR	710.575	760.435	597	-5.1789	67	1272	49954000		
FLIGHT-CONTROLS. 707-131											
LEADING-EDGE-HORIZONTAL		AIR	140P				63	2364	49956000		
LEADING-EDGE-HORIZONTAL		AIR	230P				66	2361	49958000		
LEADING-EDGE-HORIZONTAL		AIR	270P				65	2364	49960000		
TAIL-PYLON		MELI	133.333	266.451	120	-0.3	67	1212	49962000		
VERTICAL		AIR	0	27.1597	50	-0.0478	63	1198	49964000		
VERTICAL		AIR	0	93.1472	48	-0.2472	65	1227	49966000		
VERTICAL		AIR	0	19.7848	100	-1.1637	63	1198	49968000		
VERTICAL		AIR	0	18.1435	50	-1.2691	65	1198	49970000		
VERTICAL		AIR	0	55.9834	76	-0.0413	66	1250	49972000		
VERTICAL		AIR	0	26.2673	406	-0.0766	64	1179	49974000		
VERTICAL		AIR	17.5024	46.5765	473	-1.1427	65	1228	49976000		
VERTICAL		AIR	50.2031	65.3351	597	-5.1789	67	1272	49978000		

1968 AIRCRAFT ENGINE PART FAILURE RATE DATA JANUARY 1968

PART CLASS	776 STARTERS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LMTY	PART POPU- LATION	PART HOURS	YA CRBS	SP DATA INDEX	SPY SACE AFF HQ
PART DESCRIPTION			ENVIRONMENTAL STATE						
200 R.S.C.									
TURBINE-PUMP-ASSEMBLY									
MOTOR			STR REL						
MOTOR			GAS	0	115132	00521	62 1864	49980000	
MOTOR			LAB	0	457044	600	65 1216	49982000A	
			LAB	3.250514	667414		64 2204	49984000	
			LAB	3.66923	14.1944		63 2204	49986000	
			LAB	10			63 1138	49988000	
STARTING-707-1318			AIR	80P			65 2342	49990000	
STARTING-707-1318			AIR	140P			65 2364	49992000	
STARTING-800			AIR	160P			65 2385	49994000	
GAS-TURBINE-COMPRESSOR			AIR	181.23	239.959	50	65 1198	49996000	
AUXILIARY-POWER-PLANT			AIR	200P			66 2384	49998000	
STARTING-707-1318			AIR	204.545	281.381	102	63 1114	50000000	
GAS-TURBINE-COMPRESSOR			AIR						
AUXILIARY-POWER-PLANT			AIR						
STARTING-800			AIR	260P			66 2365	50002000	
STARTING-800			AIR	260P			66 2360	50004000	
STARTING-707-1318			AIR	260P			66 2362	50006000	
STARTING-800			AIR	260P			66 2360	50008000	
STARTING-707-1318			AIR	300P			66 2362	50010000	
GAS-TURBINE-COMPRESSOR			AIR	317.851	396.664	100	65 1198	50012000	
AUXILIARY-POWER-PLANT			AIR						
STARTING-800			AIR	320P			65 2360	50014000	
STARTING-800			AIR	320P			66 2365	50016000	
STARTING-707-1318			AIR	330P			65 2361	50018000	
STARTING-800			AIR	340P			66 2363	50020000	
STARTING-707-1318			AIR	360P			66 2363	50022000	
STARTING-800			AIR	400P			66 2361	50024000	
STARTING-800			AIR	400P			65 2330	50026000	
STARTING-707-1318			AIR	425.985	486.739	126	66 2364	50028000	
STARTING-800			AIR	450P			65 1155	50030000	
REDUCTION-GEAR-SYSTEM			AIR	464.037	507.174	400	65 2363	50032000	
STARTING-707-1318			AIR	510P			65 1198	50034000	
REDUCTION-GEAR-SYSTEM			AIR	516.129	653.915	272	66 2361	50036000	
GAS-TURBINE-COMPRESSOR			AIR	533.333	866.313	68	63 1114	50038000	
AUXILIARY-POWER-PLANT			AIR				63 1114	50040000	
ENGINE			AIR	547.368	658.078		63 2120	50042000	
GAS-TURBINE-COMPRESSOR			AIR	600.533	788.682	50	63 1198	50044000	
AUXILIARY-POWER-PLANT			AIR	720	862.566	50	63 1114	50046000	
GAS-TURBINE-COMPRESSOR			AIR	851.851	938.106		63 2109	50048000	
AUXILIARY-POWER-PLANT			AIR	947.54	1005.33	200	65 1198	50050000	
GAS-TURBINE-COMPRESSOR			AIR	980.169	1051.2	408	63 1174	50052000	
AUXILIARY-POWER-PLANT			AIR	1049.77	1124.72	200	63 1198	50054000	
ENGINE			AIR	1083.61	1164.9	200	63 1114	50056000	
REDUCTION-GEAR-SYSTEM			AIR						
REDUCTION-GEAR-SYSTEM			AIR						
REDUCTION-GEAR-SYSTEM			AIR						
REDUCTION-GEAR-SYSTEM			AIR						



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	778 STARTERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	INDEX
PART DESCRIPTION								RPT SRC	REF NO
-00 N.O.C.									
ENGINE	AIR-TURBINE-AMP-ACCESSORY-DRIVE	AIR	2964.48	3379.45			-02497	61	1123
ENGINE	STARTING-B-727	AIR	6884.75	7031.85			.538	63	2111
ENGINE	STARTING-L-188	AIR	240					66	2380
ENGINE-PNEUMATIC	STARTING-OCB-21/8720	AIR	460					65	2380
ENGINE-PNEUMATIC	STARTING-707-131	AIR	200P					66	2380
ENGINE-PNEUMATIC	STARTING-707-131	AIR	220P					65	2381
ENGINE-PNEUMATIC	STARTING-707-131	AIR	600P					66	2381
ENGINE-PNEUMATIC	STARTING-707-131	AIR	460P					66	2381
ENGINE-COMB	STARTING-707-331	AIR	310P					66	2381
ENGINE-COMB	STARTING-707-331	AIR	1020P					65	2384
ENGINE-PNEUMATIC	STARTING-707-131	AIR	160P					65	2387
ENGINE-PNEUMATIC	STARTING-707-131	AIR	210P					66	2384
ENGINE-PNEUMATIC	STARTING-707-131	AIR	750P					66	2382
ENGINE-PNEUMATIC	STARTING-707-131	AIR	300P					65	2382
ENGINE-PNEUMATIC	STARTING-707-331	AIR	340P					66	2382
ENGINE-PNEUMATIC	STARTING-707-331	AIR	400P					65	2382
ENGINE-PNEUMATIC	STARTING-707-131	AIR	460P					66	2384
ENGINE-PNEUMATIC	STARTING-707-131	AIR	500P					66	2382
ENGINE-PNEUMATIC	STARTING-707-331	AIR	520P					66	2384
ENGINE-PNEUMATIC	STARTING-707-331	AIR	620P					65	2384
ENGINE-PNEUMATIC	STARTING-707-331	AIR	670P					66	2384
HYDRAULIC	AUXILIARY-POWER-UNIT	AIR	121.565	225.497	76		-04113	66	1258
HYDRAULIC	AUXILIARY-POWER-UNIT	AIR	161.812	323.363	48		-02472	65	1227
MANUAL	ENGINE	LAB	-020661C	-038325C			242C	61	2204
MIL-S-77808-28VDC		HELI	266.666	433.158	120		.03	65	1215
PNEUMATIC		AIR	85.1063	122.358	304		-1645	66	1258
PNEUMATIC		AIR	121.359	174.829	192		-05888	65	1227
PNEUMATIC		AIR	785.714	1185.58	48		-014	59	1110
SMUT-OFF-VALUE	STARTING-880	AIR	260P					65	2383
SMUT-OFF-VALUE	STARTING-880	AIR	530P					66	2383
SMUT-OFF-VALUE	STARTING-880	AIR	590P					66	2383
SIZE-00		LAB	8.77193C	16.2714C			-570C	63	2204
STARTING-707-331		AIR	4.91859	9.23499			-1.0043	65	2204
TURBINE		AIR	90P					66	2381
		AIR	4168.42	4449.88			.095	62	2120

HOME AIR DEVELOPMENT CENTER, OFFICE ASD, N.Y.  
SECTION I FAILURE RATE DATA

JANUARY 1968

PART CLASS	779 STATERS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION			EMULSIONMENT RATE				RPT SINCE REF NO	
.00 M.G.C.								
		COMPRESSOR-ENGINE	AIR	24-1109	248	.0955	63 1111	50132000
		STABILIZATION-SUBSYSTEM	AIR	37-3738	3	.06101	62 2322	50134000
		TURBINE-ENGINE	AIR	24-1109	248	.0955	63 1111	50136000
		ROTARY-DEVICES	AIR	11-5443	517	9.697	62 1059	50138000

BONE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA  
 PART CLASS 700 STRAINERS  
 PART DESCRIPTION FUNCTIONAL APPLICATION

NONELECTRONIC PART FAILURE RATE DATA  
 JANUARY 1968

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA RPT	CROSS INDEX REF NO
-00 N.O.C.								
	WATER-INJECTION-SYSTEM	AIR	0	48-2215	124	.04775	63	1111 50140000
	BRINE-SYSTEM	LAR	0	.03337A		.0004	64	2235 50142000
	PUMP-RAIN-FUEL-SYSTEM	AIR	29-5714	111-130	320	.035	61	1030 50144000A
	FUEL-SYSTEM	AIR	77-0975	96-9695	510	.441	63	1114 50146000
DISTRIBUTION	FUEL-SYSTEM	AIR	102-436	120-72	250	.63454	65	1193 50148000
DISTRIBUTION	FUEL-SYSTEM	AIR	134-443	160-294	250	.4239	63	1198 50150000
DISTRIBUTION	FUEL-SYSTEM	AIR	149-333	178-303	250	.375	63	1114 50152000
ENGINE-FUEL		AIR	85-7142	190-88	320	.035	61	1080 50154000A
	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	4	19-7868	100	.11637	65	1198 50156000
FUEL								
FUEL	HEATER	MELT	28-9017	112-419	40	.0346	66	1257 50158000
FUEL		AIR	34-7866	81-8252	244	.19039	64	1144 50160000A
FUEL		MELT	78-9265	307	40	.01267	66	1257 50162000
FUEL		MELT	1111-11	1990-38	20	.0054	66	1257 50164000

ROME AIR DEVELOPMENT CENTER, GRIPPISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	761 STRAPS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	CAPTURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOURS	VS OF DATA RPT SRCE	CROSS INDEX REF NO
GROUND		TANK-ENGINE-OIL-SYSTEM		AIR	0	2.4733	800	92693	65	1199 50165000
GROUND		RESERVOIR-20MM-GUN		GRD	20R	35.107R	6	3R	64	1134 50168000
GROUND		HF-COMMUNICATION-SYSTEM		AIR	0	1.91165	1200	2-G347	63	1198 50170000
GROUND		RADIO-COMPASS-AN/ARN-6		AIR	1.94492	4.37798	900	1-526	63	1148 50172000
MOSE-STORAGE		RADIO-COMPASS-AN/ARN-6		AIR	2.22387	4.9524	900	1-349	63	1114 50173000
MOSE-STORAGE		OXYGEN-SYSTEM		AIR	0	3.29776	500	6-9823	65	1198 50175000
LITTER/SEAT		CARGO-COMPARTMENT		AIR	0	2.7183	2016	1-036	65	1227 50178000
LITTER/SEAT		CARGO-COMPARTMENT		AIR	0	1.33329	3192	1-727	66	1250 50180000
GROUND		TANK-CONSTANT-SPEED-DRIVE-OIL-SYSTEM		AIR	0	6.94878	608	329	66	1250 50182000A
GROUND		TANK-CONSTANT-SPEED-DRIVE-OIL-SYSTEM		AIR	0	11.6434	384	-19776	65	1227 50184000
GROUND		TANK-ENGINE-OIL-SYSTEM		AIR	0	16.1772	398	329	66	1250 50186000
GROUND		TANK-ENGINE-OIL-SYSTEM		AIR	6.07902	37.2569	384	-19776	65	1227 50188000
GROUND		RESERVOIR-NO-1-HYDRAULIC-SYSTEM		AIR	0	93.1472	48	-02472	65	1227 50190000
GROUND		RESERVOIR-NO-2-HYDRAULIC-SYSTEM		AIR	0	93.1472	48	-02472	65	1227 50192000
GROUND		RESERVOIR-NO-1-HYDRAULIC-SYSTEM		AIR	0	55.9834	76	-04113	64	1250 50194000A
GROUND		RESERVOIR-NO-2-HYDRAULIC-SYSTEM		AIR	0	55.9834	76	-04113	66	1250 50196000A
GROUND		RESERVOIR-NO-3-HYDRAULIC-SYSTEM		AIR	0	93.1472	48	-02472	65	1227 50198000
GROUND		RESERVOIR-NO-3-HYDRAULIC-SYSTEM		AIR	0	55.9834	76	-04113	66	1250 50200000A

# HOME AIR DEVELOPMENT CENTER, MISSISSAUGA, ONTARIO SECTION 1 FAILURE RATE DATA

PART CLASS (24 STRIKES)

PART DESCRIPTION

FUNCTIONAL APPLICATION

ACC N.O.C.

## SYMBOL ELECTRONIC PART FAILURE RATE DATA

TABLE 1

YR  
OF DATA  
RPT DATE

PART  
HOURS

POPULATION

UPPER  
90 CONF  
LIMIT

FAILURE  
RATE

ENVIRONMENT

DOOR-MECHANICAL-FORWARD-ENTRANCE	AIR	•	13-0975	304	.1655	AS 1250 1020000
DOOR-MECHANICAL-PERSONNEL	AIR	•	0.3298	456	.1468	AS 1250 1020000
CARGO-COMPARTMENT						
DOOR-EMERGENCY-AFT-ESCAPE-HATCH	AIR	•	27.0917	152	.08226	AS 1250 1020000
CARGO-COMPARTMENT						
DOOR-MECHANICAL-PERSONNEL-CARGO-COMP	AIR	•	15.5245	288	.14812	AS 1250 1020000
DOOR-MECHANICAL-FORWARD-ENTRANCE	AIR	•	23.2868	192	.09884	AS 1250 1020000
DOOR-EMERGENCY-AFT-ESCAPE-HATCH	AIR	•	46.5736	96	.04964	AS 1250 1020000
CARGO						



ARMC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA  
 PART CLASS 702 STRUTS  
 PART DESCRIPTION  
 -90 N.O.C.

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART MOUNTS	YR OF DATA	CROSS INDEX
							RPT SINCE REF HQ	
HUMIDITY-TEMPERATURE, RH/AIR-7								
ARRESTING-MOOR-RECOIL ASSEMBLY	ELEVATOR-FUNK-SPRING	AIR	0	229.244	20	.01043	43 1123	50302000
ASSEMBLY		AIR	0	23.1714		.09937	43 1123	50304000
ASSEMBLY, NOSE-WHEEL SHANK		AIR	500	599.004		.100	43 2101	50304000
DRAG	LANDING-GEAR-MAIN	AIR	0	49.2219	124	.04775	43 1111	50309000
RETRACT	NOSE-LANDING-GEAR	AIR	0	8.13061	74	.28355	43 1196	50310000
RETRACT	MAIN-LANDING-GEAR	AIR	40.8449	82.2437		.52277	43 1124	50312000
SHOCK	MAIN-LANDING-GEAR	AIR	2.09424	8.74594	124	.4775	43 1111	50314000
SHOCK	MAIN-LANDING-GEAR	AIR	97.5406	118.697		.47155	43 1123	50314000
SHOCK	TAIL-LANDING-GEAR	AIR	101.87	153.715	63	.10750	44 1195	50315000
SHOCK	LANDING-GEAR-NOSE	AIR	497.501			.2972	44 1203	50320000
SHOCK	LANDING-GEAR-NOSE	AIR	497.981	994.65		.2972	44 1203	50322000
SHOCK	LANDING-GEAR-MAIN	AIR	1236.8			.2369	44 1203	50324000
SHOCK	LANDING-GEAR-MAIN	AIR	1236.8	1394.64		.2369	44 1203	50324000
SUPPORT	GEAR-BOX-REDUCTION-GEAR-SYSTEM	AIR	0	3.39501	409	.67823	43 1198	50326000
SUPPORT	GEAR-BOX-REDUCTION-GEAR-SYSTEM	AIR	0	4.53598	200	.50763	43 1198	50330000
SUPPORT	GEAR-BOX-REDUCTION-GEAR-SYSTEM	AIR	0	2.47333	800	.93057	43 1198	50332000
TENSION	MAIN-LANDING-GEAR	AIR	339.663	415.18		.12954	43 1123	50334000
TORQUE	LANDING-GEAR-MAIN	AIR	5.98131	22.1805	204	.176	43 1114	50335000
TORQUE	LANDING-GEAR-MAIN	AIR	7.8796	20.9607	100	.23382	43 1198	50336000
TORQUE	LANDING-GEAR-MAIN	AIR	8.59328	22.868	200	.23274	43 1198	50340000
TORQUE	LANDING-GEAR-MAIN	AIR	11.7952	31.3888	100	.18956	43 1198	50342000
TORQUE	LANDING-GEAR-MAIN	AIR	13.4238	35.7201	100	.149	43 1114	50344000
TORQUE	LANDING-GEAR-MAIN	AIR	32.258	129.474	134	.031	43 1114	50346000
WIRING-ENCASED	DOORS-127	AIR	1709			.04969	44 2313	50348000
WIRING-ENCASED	AIR-BLAST-PRESSURE-ARE	AIR	20.1247	78.2793		.04969	43 1123	50350000

ROLE AIR DEVELOPMENT CENTER, GRUPESS AFB, N.Y.  
SECTION 7 FAILURE DATA

HYPERSTRESS PART FAILURE DATA 1949

PART CLASS 704 SUPERVIS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT DATE	FAILURE RATE	UPPER PART	NO COMP LTRTY	PART NAME	PART NUMBER	NO DATA INDEX	CROSS REF

66 H.O.C.

APT. 2000-0000-LANDING-GEAR-REARWARD	AIR								
CANOPY-TRUCK	AIR								
APPROACH-TRUCK	AIR								
CAN-FOLLOWER-CLAR-VISION-REARWARD	AIR								
BEARING-FLAP-CENTRAL	AIR								
BEARING-FORWARD-RAIL-PRIME	AIR								
TURBOJET-J-85	AIR								
BEARING-THRUST-REVERSER-SYSTEM	AIR								
COM-FORWARD-ENGINE-MACELLE	AIR								
COM-REAR-LANDING-GEAR-AFT	AIR								
16-APPROACH-ENGINE-CENTRAL	AIR								
PAIRING-THRUST-REVERSER-SYSTEM	AIR								
SEAL-MAIN-PLANE-TURBOJET-J-85	AIR								
FORWARD-ENGINE-REAR-LANDING-GEAR	AIR								
FORWARD	AIR								
ENGINE-FITTING-THRUST-REVERSER-SYSTEM	AIR								
REAR-APPROACH-ENGINE-SYSTEM	AIR								
FORWARD-ENGINE-REAR-LANDING-GEAR	AIR								
FORWARD	AIR								
TURBOJET-UPPER-CARGO-COMPARTMENT	AIR								
INITIATOR-AIR-DRUM-SYSTEM	AIR								
TURBOJET-UPPER-CARGO-COMP	AIR								
APT. 2000-0000-LANDING-GEAR-FORWARD	AIR								
BEARING-THRUST-REVERSER-SYSTEM	AIR								
DOOR-REAR-LANDING-GEAR-AFT	AIR								
RUDDER-ENGINE-REAR-LANDING-GEAR	AIR								
COM-FORWARD-ENGINE-MACELLE	AIR								
CAN-FOLLOWER-CLAR-VISION-REARWARD	AIR								
PAIRING-THRUST-REVERSER-SYSTEM	AIR								
KIT-LIFE-RAFT-SURVIVAL-EQUIPMENT	AIR								
DOOR-THRUST-REVERSER-SYSTEM	AIR								
KIT-SURVIVAL-SURVIVAL-EQUIPMENT	AIR								
INITIATOR-AIR-DRUM-SYSTEM	AIR								
OIL-TANK-GAS-TURBINE-COMPRESSOR	AIR								
AUXILIARY-POWER-PLANT	AIR								
DISCONNECT-ENGINE/COMP-STUDENT-SEAT	AIR								
MOUNT-AUXILIARY-POWER-UNIT	AIR								
WIRING-MACELLE	AIR								
MOUNT-AUXILIARY-POWER-UNIT	AIR								
SEAL-COMBUSTION-SECTION	AIR								
TURBOJET-J-85	AIR								
COMBUSTION-LINE-BASIC-ENGINE	AIR								
BEARING-TURBINE-REAR	AIR								
BEARING-TURBINE-REAR-POWER-SECTION	AIR								
BRACE-LINE-LANDING-GEAR-MAIN	AIR								



1

JANUARY 1942

HOMELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS 784 SUPPORTS

CRS53  
OF DATA INDEX

PART CLASS	784 SUPPORTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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DISCONNECT  
MUSE-STORAGE

HOUSE SELECT COMMITTEE ON ASSASSINATIONS  
JANUARY 1, 1965

100

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	FAILURE RATE	UPPER 99 CONF LIMIT	PART POSITION	PART NUMBER	YR	CROSS		
								EV	DATA	INSTR
							APT	SALES	REF	NO
CONTROL - INDICATOR - MAIN - LANDING - GEAR	AIR	0	0	192.047	31	001194	63	1227	50534000	
ANTI-ICE - SYSTEM	AIR	0	0	192.047	31	001194	63	1227	50534000	
CONTROL - CAMERA - EXTRA - PICTURE	AIR	0	0	73.4716	150	001194	63	1227	50534000	
HYDRAULIC - PITCH - TRIP - ACTUATOR	AIR	0	0	44.5736	94	001194	63	1227	50534000	
ALL - DOWNS - PILOT / COPILOT	AIR	0	0	44.5736	94	001194	63	1227	50534000	
DISCHARGE - FUEL - EXTENDING - SYSTEM - ENGINE	AIR	0	0	23.2048	132	001194	63	1227	50534000	
CONTROL - RAMP - NO - 3 - HYDRAULIC - SYSTEM	AIR	0	0	44.5736	94	001194	63	1227	50534000	
CONTROL - TRAIL - WHEEL - SYSTEM	AIR	0	0	26.2673	406	001194	63	1227	50534000	
LEVEL - CMECS - OUT - REFUELING - SYSTEM	AIR	0	0	192.047	31	001194	63	1227	50534000	
WORM - SILENCER - WARNING - SYSTEM - LANDING - GEAR	AIR	0	0	93.1472	48	001194	63	1227	50534000	
ANTI-ICING - DE-ICING - SYSTEMS	AIR	0	0	19.7868	100	001194	63	1227	50534000	
IGNITION - CONTINUOUS - IGNITION / ELECTRICAL - SYSTEM	AIR	0	0	93.1472	48	001194	63	1227	50534000	
CLEAR - VISION - WINDSHIELD - HEAT - DEICE - SYSTEM	AIR	0	0	44.5736	94	001194	63	1227	50534000	
DE-ICE - TOTAL - TEMPERATURE - SYSTEM - FLIGHT - INSTRUMENTATION	AIR	0	0	93.1472	48	001194	63	1227	50534000	
RELEASE - CHUTE - AIR - DROP - SYSTEM	AIR	0	0	10.1435	50	001194	63	1227	50534000	
AUXILIARY - PUMP - HYDRAULIC - POWER - SUPPLY	AIR	0	0	31.049	144	001194	63	1227	50534000	
OVERIDE - ALT - PRESSURIZATION - AIR - CONDITIONED	AIR	0	0	93.1472	48	001194	63	1227	50534000	
INERTIAL - TIMER	SIR MSL	0	0	112130	20	000002	62	1104	50534000	
CONTROL - PUMP - SHUTOFF - VALVE - HYDRAULIC - SYSTEM	AIR	0	0	23.2048	132	000002	63	1227	50534000	
BALLOUT - ALARM - SYSTEM	AIR	0	0	93.1472	48	001194	63	1227	50534000	
CONTROL - MASTER - REFUELING - FUEL - SYSTEM	AIR	0	0	93.1472	48	001194	63	1227	50534000	
HEATER - PILOT - STATIC - SYSTEM - FLIGHT - INSTRUMENTATION	AIR	0	0	44.5736	94	001194	63	1227	50534000	
RADIO - ANTI-ICE - DE-ICE - SYSTEMS	AIR	0	0	27.1997	50	001194	63	1198	50534000	
MAIN - REFUELING - SYSTEM	AIR	0	0	192.047	31	001194	63	1227	50534000	
QUADRANT - AUDIBLE - WARNING - SYSTEM - LANDING - GEAR	AIR	0	0	10.3496	432	001194	63	1227	50534000	
INDICATOR - FUEL - QUANTITY	AIR	0	0	16.0751	372	001194	63	1227	50534000	
CONTROL - DOOR - ELECTRICAL - LATCH	AIR	0	0	93.1472	48	001194	63	1227	50534000	
CONTROL - RAIN - REMOVAL - SYSTEM	AIR	0	0	93.1472	48	001194	63	1227	50534000	
EMERGENCY - CONTROL - MAIN - LANDING - GEAR	AIR	0	0	192.047	31	001194	63	1227	50534000	
CONTROL - RADAR - WESS - AN / ASQ - 70	AIR	0	0	93.1472	48	001194	63	1227	50534000	
SYNCH - POWER - FLIGHT - INSTRUMENT	AIR	0	0	192.047	31	001194	63	1227	50534000	
DISCHARGE - CONTROL - WHEEL - APC	AIR	0	0	44.5736	94	001194	63	1227	50534000	
CONTROL - HYDRAULIC - POWER - ALERON - SYSTEM	AIR	0	0	23.2048	132	001194	63	1227	50534000	

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
.00 M-0-C.									
EMERGENCY-DEPRESSURIZE-CONTROL.		AIR	0	0	40.3736	96	.04944	65	1227 50572000
AIR-CONDITIONING									
CONTROL-GUARD-FUEL-SYSTEM		AIR	0	0	31.049	144	.07416	65	1227 50574000
CONTROL-GUARD-HYDRAULIC-CARGO-RAMP		AIR	0	0	93.1472	48	.02472	65	1227 50576000
DISCONNECT-PITCH-TRIM-ACTUATOR		AIR	0	0	46.5736	96	.04944	65	1227 50578000
EMERGENCY-FUEL-SYSTEM		AIR	0	0	93.1472	48	.02472	65	1227 50580000
GYRO-FAST-EJECTION-FLIGHT-INSTRUMENT		AIR	0	0	96.4441	62	.02387	65	1227 50582000
DISCONNECT-REFUELING-SYSTEM		AIR	0	0	192.847	31	.01194	65	1227 50584000
OVERHEAT-WARNING-ANTI-ICE-SYSTEM		AIR	0	0	15.5245	288	.14832	65	1227 50586000
INERTIAL-TIMER		MSL	0	0	230.260	17	.00098	65	1227 50588000
DE-ICE-ANGLE-ATTACK-SYSTEM.		AIR	0	0	46.5736	96	.04944	65	1227 50590000
FLIGHT-INSTRUMENTATION									
EMPENAGE-ANTI-ICE/DE-ICE-SYSTEMS		AIR	0	0	19.7848	100	.13437	65	1227 50592000
CONTROL-RAVING-PRESSURIZATION.		AIR	0	0	27.1597	50	.08478	65	1227 50594000
AIR-CONDITIONING									
CONTROL-LANDING-GEAR		AIR	0	0	104.471	60	.014	61	1080 50596000
BYPASS-NORMAL-DOOR-WARNING-SYSTEM		AIR	0	0	11.6434	364	.19776	65	1227 50598000
FAST-SLAVE-NAVIGATION-INSTRUMENT		AIR	0	0	13.1330	812	.17332	64	1179 50600000
CONTROL-ENGINE-ANTI-ICE		AIR	0	0	13.1336	812	.17332	64	1179 50602000
DISCHARGE-FIRE-EXTINGUISHING-SYSTEM.		AIR	0	0	46.5736	96	.04944	65	1227 50604000
AUXILIARY-POWER-UNIT									
CONTROL-TV-CAMERA-COMPT-ANTI-ICE		AIR	0	0	27.1597	50	.08478	65	1227 50606000
CONTROL-ANTI-ICING/DE-ICING-SYSTEMS		AIR	0	0	93.1472	48	.02472	65	1227 50608000
CONTROL-PUMP-SUCTION-BOOST.		AIR	0	0	46.5736	96	.04944	65	1227 50610000
HYDRAULIC-SYSTEM									
DEGREE-55/60-DOOR-HYDRAULIC-PETAL		AIR	0	0	93.1472	48	.02472	65	1227 50612000
STARTER-CUTOUT-PNEUMATIC-SYSTEM		AIR	0	0	23.2648	192	.09808	65	1227 50614000
VALVE-CROSSOVER-MANIFOLD-PNEUMATIC		AIR	0	0	121.169	4	.019	62	1093 50616000
WARNING-DOOR-MECHANICAL.		AIR	0	0	192.847	31	.01194	65	1227 50618000
FORWARD-ENTRANCE		AIR	0	0	55.9834	76	.04113	66	1250 50620000
DISCONNECT-AUTO-LOAD.		AIR	0	0	46.5736	96	.04944	65	1227 50622000
AC-POWER-CONTROL									
INDICATOR-FAILED-CABLE.		AIR	0	0	93.1472	48	.02472	65	1227 50624000
WING-FLAP-SYSTEM		AIR	0	0	55.9834	76	.04113	66	1250 50626000
WING-SILENCER-WARNING-SYSTEM.		AIR	0	0	55.9834	76	.04113	66	1250 50628000
LANDING-GEAR									
HEATED-PISTON-STATIC-SYSTEM.		AIR	0	0	55.9834	76	.04113	66	1250 50630000
FLIGHT-INSTRUMENTATION									
FIRE-TAKEOFF-ASSIST-SYSTEM		AIR	0	0	10.1455	50	.12691	65	1198 50632000
GROUND-AID-CORALINE-SYSTEM		AIR	0	0	192.847	31	.01194	65	1227 50634000
MATCH-EJECTION-SYSTEM		AIR	0	0	192.847	31	.01194	65	1227 50636000
DOOR-INDICATOR-TIP-PROTECTION-GEAR		MSL	0	0	230.260	17	.00098	65	1227 50638000
CLEAR-VISION-WINDSHIELD-HEAT.		AIR	0	0	96.4441	62	.02387	65	1227 50640000
DE-ICE-SYSTEM		AIR	0	0	27.9917	76	.09220	66	1250 50642000

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JANUARY 1968

HOMELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRADISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

PART CLASS 791 SWITCHES, ELECTRICAL

YR  
OF DATA INDEX  
RPT SPACE REF NC

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
LATION

HOURS

FAILURE RATE

COAXIAL-ANTENNA-RECEIVER-  
TRANSMITTER-R7-435

SHUT-OFF-WARNING-NORM-OXYGEN-QUANTITY

CONTROL-GENERATOR-AC-POWER

WARNING-DOOR-HORIZONTAL-STABILIZER

EMERGENCY

DUCT-OVERHEAT-AIR-CONDITIONING

STANDBY-PUMP-PRESSURE-SUPPLY-SYSTEM

CONTROL-PUMP-SUCTION-BOOST

HYDRAULIC-SYSTEM

ANTI-ICE/DE-ICE-PROPELLER-ASSEMBLY

CONTROL-PITCH-TRIM-ACTUATOR

LOGGING-RECEIVER-TRANSMITTER-R7-435

LOGGING-RECEIVER-TRANSMITTER-AFM-25

LOGGING-AM/APX-44-IFF-SYSTEM

CONTROL-TIE-BUS/GENERATOR-AC-POWER

WARNING-DOOR-MECHANICAL-PERSONNEL

CARGO-COMPARTMENT

DUAL-VARIABLE-RESISTOR

QUADRANT-AUTOLITE-WARNING-SYSTEM

LANDING-GEAR

CONTROL-RAIL-REMOVAL-SYSTEM

CONTROL-RAMP-MB-3-HYDRAULIC-SYSTEM

STARTER-PNEUMATIC-SYSTEM

CONTROL-BATTERY-DC-POWER

DISCONNECT-IGNITION/ELECTRICAL-SYSTEMS

STARTER-CONTROL-PNEUMATIC-SYSTEM

COAXIAL-ANTENNA-RECEIVER-TRANSMITTER-R7-435

BEAD-SCARING-EQUIPMENT

DISCONNECT-CONSTANT-SPEED-DRIVE

AC-POWER-CONTROL

CONTROL-ANTI-ICING/DE-ICING-SYSTEMS

GAIN-F-A-SYSTEM-INTERCOM

BYPASS-NORMAL-DOOR-WARNING-SYSTEM

CONTROL-SENSITIVITY-NUMBER-DEACON

RELEASE-CLUTE-AIR-ORON-SYSTEM

WINDSHIELD-ANTI-ICE/DE-ICE-SYSTEMS

00 N.O.C.

COAXIAL-ANTENNA-RECEIVER-TRANSMITTER-R7-435

SHUT-OFF-WARNING-NORM-OXYGEN-QUANTITY

CONTROL-GENERATOR-AC-POWER

WARNING-DOOR-HORIZONTAL-STABILIZER

EMERGENCY

DUCT-OVERHEAT-AIR-CONDITIONING

STANDBY-PUMP-PRESSURE-SUPPLY-SYSTEM

CONTROL-PUMP-SUCTION-BOOST

HYDRAULIC-SYSTEM

ANTI-ICE/DE-ICE-PROPELLER-ASSEMBLY

CONTROL-PITCH-TRIM-ACTUATOR

LOGGING-RECEIVER-TRANSMITTER-R7-435

LOGGING-RECEIVER-TRANSMITTER-AFM-25

LOGGING-AM/APX-44-IFF-SYSTEM

CONTROL-TIE-BUS/GENERATOR-AC-POWER

WARNING-DOOR-MECHANICAL-PERSONNEL

CARGO-COMPARTMENT

DUAL-VARIABLE-RESISTOR

QUADRANT-AUTOLITE-WARNING-SYSTEM

LANDING-GEAR

CONTROL-RAIL-REMOVAL-SYSTEM

CONTROL-RAMP-MB-3-HYDRAULIC-SYSTEM

STARTER-PNEUMATIC-SYSTEM

CONTROL-BATTERY-DC-POWER

DISCONNECT-IGNITION/ELECTRICAL-SYSTEMS

STARTER-CONTROL-PNEUMATIC-SYSTEM

COAXIAL-ANTENNA-RECEIVER-TRANSMITTER-R7-435

BEAD-SCARING-EQUIPMENT

DISCONNECT-CONSTANT-SPEED-DRIVE

AC-POWER-CONTROL

CONTROL-ANTI-ICING/DE-ICING-SYSTEMS

GAIN-F-A-SYSTEM-INTERCOM

BYPASS-NORMAL-DOOR-WARNING-SYSTEM

CONTROL-SENSITIVITY-NUMBER-DEACON

RELEASE-CLUTE-AIR-ORON-SYSTEM

WINDSHIELD-ANTI-ICE/DE-ICE-SYSTEMS

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER PART	DOWN PART	VR	OF DATA	REMARKS
-00	N.O.C.								
	WINDMILL, ARTJ-ICE/RA-ICE-SYSTEMS	AIR	0	4.94672	400		65	1198	50740000
	SILENCE-AUXILIARY-MARKING-SYSTEM, FIRE	AIR	0	93.1472	40		65	1227	50740000
	AUTO-ARM-MING-SPOILER-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-FUEL/IGNITION-ENGINE	AIR	0	93.1472	40		65	1227	50740000
	OVERIDE-ALTERNATE-PRESSURIZATION-AC	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-MAINT-AIR-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-MAINT-AIR-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	DEFLEAT-MING-FLAP-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-AILERON-TRIM-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	EXT INSULATED-EMERGENCY-LIGHT-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	FIRE-TAKEOFF-ASSIST-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	INITIAL VALVE	AIR	0	93.1472	40		65	1227	50740000
	SUCTION-BOOST-PUMP-HYDRAULIC	AIR	0	93.1472	40		65	1227	50740000
	POWER-SUPPLY	AIR	0	93.1472	40		65	1227	50740000
	CABIN-AIR-CONDITIONING	AIR	0	93.1472	40		65	1227	50740000
	DOPPLE, NORMAL/EMERGENCY	AIR	0	93.1472	40		65	1227	50740000
	BOMB-COMPUTER-ASAP	AIR	0	93.1472	40		65	1227	50740000
	STARTER-PNEUMATIC-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	ANTENNA-TRANSMITTER-ALT-40	AIR	0	93.1472	40		65	1227	50740000
	WARNING-HIGH-OIL-TEMPERATURE	AIR	0	93.1472	40		65	1227	50740000
	CONSTANT-SPEED-DRIVE-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-BLEED-AIR-LOAD	AIR	0	93.1472	40		65	1227	50740000
	AUXILIARY-POWER-UNIT	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-PUMP-SWITCH-OFF-VALVE	AIR	0	93.1472	40		65	1227	50740000
	HYDRAULIC-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-MASTER-REFUELING-PUMP-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-DOOR-HYDRAULIC-CARGO-RAMP	AIR	0	93.1472	40		65	1227	50740000
	GAIN-INCREASE-A-A-SYSTEM-AM/AIC-13	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-LIGHT-TEMPERATURE-EMERGENCY-POWER	AIR	0	93.1472	40		65	1227	50740000
	INTERPHONE-B-B-SYSTEM-AM/AIC-13	AIR	0	93.1472	40		65	1227	50740000
	FIRE-TAKEOFF-ASSIST-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	JET TISSON-FUEL-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	INDICATOR-LIGHT-10-POWERSHED	AIR	0	93.1472	40		65	1227	50740000
	CABIN-AC	AIR	0	93.1472	40		65	1227	50740000
	ARTJ-ICE-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	OVERHEAT-MING-ARTJ-ICE-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	DOOR-LOCK-LEADING-DOOR-MAIN	AIR	0	93.1472	40		65	1227	50740000
	TEST-LAMP-DOOR-MARKING-SYSTEM	AIR	0	93.1472	40		65	1227	50740000
	OVERHEAT-DOOR-AIR-DETECTION	AIR	0	93.1472	40		65	1227	50740000
	AUXILIARY-POWER-UNIT-CARGO-PLANK	AIR	0	93.1472	40		65	1227	50740000
	TACAN-RADIO-ANALOG	AIR	0	93.1472	40		65	1227	50740000
	CONTROL-AUXILIARY-POWER-UNIT	AIR	0	93.1472	40		65	1227	50740000
	TEST-POWER-SELECTION-AC-POWER	AIR	0	93.1472	40		65	1227	50740000
	TEST-FULL-QUANTITY-FUEL-SYSTEM	AIR	0	93.1472	40		65	1227	50740000

ROME AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	MEANS	YR OF DATA INDEX	CROSS RPT SRCE REF IN
PART DESCRIPTION									
.00 4.0.L.									
CONTROL-ANTENNA-UMF-COMMUNICATION- AN/ARC-90		AIR	•	•	27.9917	152	.08226	66 1250	50664000A
CONTROL-BATTERY-DC-POWER		AIR	•	•	55.9834	76	.04113	66 1250	50664000A
TEST-CADC-SYSTEM-FLIGHT-INSTRUMENT		AIR	•	•	9.32982	456	.2468	66 1250	50664000A
TEST-RESET-BLEED-AIR-OVER-HEAT- DETECTION-AUXILIARY-POWER- UNIT-CARGO		AIR	•	•	55.9834	76	.04113	66 1250	50670000A
TEST-CADC-SYSTEM- FLIGHT-INSTRUMENTATION		AIR	•	•	15.5245	288	.14832	65 1227	50872000
TEST-ARM-ASYMMETRY-WING-SPOILER- SYSTEM		AIR	•	•	55.9834	76	.04113	66 1250	50874000A
TEST-NORMAL-STALL-WARNING-SYSTEM		AIR	•	•	27.9917	152	.08226	66 1250	50876000
TEST-ASYMMETRY-WING-FLAP-SYSTEM		AIR	•	•	55.9834	76	.04113	66 1250	50878000
TEST-OVERHEAT-WARNING-SYSTEM		AIR	•	•	18.1435	50	.12891	65 1198	50880000
CONTROL-BLEED-AIR-LOAD-AUXILIARY- POWER-UNIT		AIR	•	•	55.9834	76	.04113	66 1250	50882000A
COAXIAL-ANTENNA-AM/ARM-84		AIR	•	•	418.654		.0055	56 1263	50884000A
TEST-RESET-BLEED-AIR-OVERHEAT- DETECTION-WING-PYLON		AIR	•	•	27.9917	152	.08226	66 1250	50886000A
PITOT-HEATER		AIR	•	•	192.847	31	.01194	62 1111	50888000
TEST-ASYMMETRY-WING-FLAP-SYSTEM		AIR	•	•	93.1472	48	.02472	65 1227	50890000
RATIO-AUTO-WING-SPOILER-SYSTEM		AIR	•	•	23.2868	192	.09838	65 1227	50892000
TEST-OVERHEAT-WARNING-SYSTEM		AIR	•	•	13.5798	100	.16956	63 1198	50894000
RATIO-AUTO-WING-SPOILER-SYSTEM		AIR	•	•	13.9975	304	.1645	66 1250	50896000
AUTO-ARM-WING-SPOILER-SYSTEM		AIR	•	•	55.9834	76	.04113	66 1250	50898000A
PITOT-HEATER		AIR	•	•	192.847	31	.01194	62 1111	50898000
TEST-OVERHEAT-WARNING-SYSTEM		AIR	•	•	19.7868	100	.11637	65 1198	50902000
SALVO-BOMB-NAVIGATION-SYSTEM		AIR	•	•	96.4641	62	.02397	63 1111	50904000
CONTROL-INSTRUMENT-EMERGENCY-POWER		AIR	•	•	55.9834	76	.04113	66 1250	50906000
DISCONNECT-AUTO-LOAD-AC-POWER- CONTROL		AIR	•	•	27.9917	152	.08226	66 1250	50908000A
CONTROL-QUADRANT-THRUST-REVERSE- SYSTEM		AIR	•	•	13.9975	304	.1645	66 1250	50910000
CONTROL-WHEEL-PITCH-TRIM-ACTUATOR		AIR	•	•	55.9834	76	.04113	66 1250	50912000
CONTROL-TIE-BUS/GENERATOR-AC-POWER		AIR	•	•	13.9975	304	.1645	66 1250	50914000A
CONTROL-GENERATOR-AC-POWER		AIR	•	•	11.1963	380	.20545	66 1250	50916000A
TEST-WARNING-LIGHT-MAIN-LANDING-GEAR		AIR	•	•	192.847	31	.01194	63 1111	50918000
DISCONNECT-TIE-BUS-EMERGENCY-POWER		AIR	•	•	55.9834	76	.04113	66 1250	50920000A
CONTROL-PITCH-TRIM-ACTUATOR		AIR	•	•	55.9834	76	.04113	66 1250	50922000
INDICATOR-FAILED-CABLE-WING-FLAP- SYSTEM		AIR	•	•	55.9834	76	.04113	66 1250	50924000
TEST-STALL-WARNING-SYSTEM		AIR	•	•	46.5736	96	.04944	65 1227	50926000
DISCONNECT-CONSTANT-SPEED-DRIVE- AC-POWER-CONTROL		AIR	•	•	13.9975	304	.1645	66 1250	50928000A
DISCONNECT-AC-POWER-CONTROL		AIR	•	•	14.6596	228	.1254	66 1250	50930000





## JANUARY 1948

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MONITORING PART FAILURE RATE DATA

NAVY DESCRIPTION	FEDERAL POLICE

NO. 1000 1000 1000  
NO. 1000 1000 1000  
NO. 1000 1000 1000

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	791 SWITCHES, ELECTRICAL	UPPER	PART	YR	CASES
PART DESCRIPTION	FUNCTIONAL APPLICATION	90 CONF LIMIT	POPULATION	OP DATA INDEX	RPT SINCE REF INQ
.00 M.C.C.					
ANTI-ICE/DE-ICE-ENGINE-SYSTEMS		7.8792	20,4592	59	62 1193 21181800
AIR	AIR	7.89471	13,858	.76	59 212 21190000
AIR	AIR	8.2			62 2240 21194000
AIR	AIR	8.47497	32,9435	27	62 1093 21194000
ANTI-ICE/DE-ICE-HYDRAULIC-PROPPELLOR		8.49858	18,9257	408	63 1114 21198000
RAMP-POSITION-DEOR-MYDRAULIC		8.59315	15,0839	600	62 1198 21205000
GUARD-DISTRIBUTION-DC-POWER-SUPPLY		8.59328	33,4252	100	65 1198 21205000
QUANTITY-INDICATOR-LIQUID-OXYGEN		8.59328	33,4252	100	65 1198 21205000
FLIGHT-OIR-SYSTEM-AIR-FORCE-STD		8.59328	33,4252	100	65 1198 21205000
CONTROL-MANUAL-PRESSURIZATION		8.59328	33,4252	100	65 1198 21205000
AIR-CONDITIONED		8.59328	33,4252	100	65 1198 21205000
WHEEL-CONTROL-PISTON-FLIGHT-SYSTEM		8.59328	33,4252	100	65 1198 21205000
SENSING-BRAKE-FLIGHT-FLAP-SYSTEM		8.59328	33,4252	100	65 1198 21205000
INTERPHONE-P-A-SYSTEM-AM/AIC-13		8.59328	33,4252	100	65 1198 21205000
TEST-FIRE-DETECTION-SYSTEM		8.59328	33,4252	100	65 1198 21205000
SYNCHROPHASE-MASTER		8.59328	33,4252	100	65 1198 21205000
PROPPELLER-ASSEMBLY		8.59328	33,4252	100	65 1198 21205000
ACCELEROMETER-AN-67		8.59328	33,4252	100	65 1198 21205000
AUTOMATIC-FLIGHT-CONTROL		8.59328	33,4252	100	65 1198 21205000
CONTROL-FUEL/IGNITION-ENGINE		8.59328	33,4252	100	65 1198 21205000
DETECTOR-ASYMMETRY		8.59328	33,4252	100	65 1198 21205000
WING-SPOILER-SYSTEM		8.59328	33,4252	100	65 1198 21205000
CONTROL-QUADRANT		8.59328	33,4252	100	65 1198 21205000
THRUST-REVERSER-SYSTEM		8.59328	33,4252	100	65 1198 21205000
FIRE-EXTINGUISHER		8.59328	33,4252	100	65 1198 21205000
FUEL-FLIGHT-REFUELING		8.59328	33,4252	100	65 1198 21205000
CONTROL-ENGINE-ANTI-ICE		8.59328	33,4252	100	65 1198 21205000
WARNING-LON-PRESSURE-FUEL-SYSTEM		8.59328	33,4252	100	65 1198 21205000
HYDRAULIC-LANDING-GEAR		8.59328	33,4252	100	65 1198 21205000
EMERGENCY-FUEL-SYSTEM		8.59328	33,4252	100	65 1198 21205000
BUS-TIE-DC-POWER-SUPPLY		8.59328	33,4252	100	65 1198 21205000
WING-ANTI-ICE/DE-ICE-SYSTEMS		8.59328	33,4252	100	65 1198 21205000
THROTTLE-LANDING-GEAR-RAIN		8.59328	33,4252	100	65 1198 21205000
LOCKING-ARM/PISTON-FLIGHT-SYSTEM		8.59328	33,4252	100	65 1198 21205000
MICROPHONE-THROTTLE-QUADRANT		8.59328	33,4252	100	65 1198 21205000
AM/AIC-13		8.59328	33,4252	100	65 1198 21205000
ACTUATING-WING-FLAP-SYSTEM		8.59328	33,4252	100	65 1198 21205000
CABIN-AIR-CONDITIONING		8.59328	33,4252	100	65 1198 21205000
CONTROL-AC-BUS-POWER-SUPPLY-SYSTEM		8.59328	33,4252	100	65 1198 21205000
CONTROL-SENSITIVE-PISTON-FLIGHT-SYSTEM		8.59328	33,4252	100	65 1198 21205000
EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEMS		8.59328	33,4252	100	65 1198 21205000

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS 791 SWITCHES, ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER PART  
90 COMP PERCU-  
LIMIT LATION  
FAILURE RATE  
ENVIRONMENT  
PART  
HOURS  
YR  
OF DATA INDEX  
RPT SRCE REF NO

.00 N.O.C.

DISTRIBUTION-DC-POWER-SUPPLY	SUB	57.0036	224.001	12	.01724	64	1137	51494000
	AIR	57.4512	97.2801	33	.121	62	1093	51498000
	AIR	58.4795	90.0973		.171	61	1046	51505000
	AIR	58.9761	109.397	50	.08478	63	1192	51502000
	AIR	59.2592	96.257		.135	60	1097	51504000
	AIR	61.0023	77.2875		.52457	62	2240	51506000
ENRICHMENT, FUEL-SYSTEM	AIR	61.9249	83.1191	280	.32912	63	1193	51509000
DOOR-GAS-TURBINE-COMPRESSOR.	AIR	62.5	54.3076	204	.176	63	1114	51510000
AUXILIARY-POWER-PLANT								
CONTROL-BLEED-AIR-SYSTEM	AIR	64.7249	105.135	240	.1236	65	1227	51512000
ELEVATOR-CONTROL-SYSTEM	AIR	64.8298	105.303	228	.1234	66	1250	51514000
FLOW-SCAVENGE-DISTRIBUTION.	AIR	65.0079	82.0357	200	.50763	65	1198	51516000
FUEL-SYSTEM								
FORCE-ASSEMBLY.	SIN CRD AIR	66.6666	177.41	139	.03	63	1117	51518000
AUTOMATIC-FLIGHT-CONTROL-SYSTEM								
DISTRIBUTION-DC-POWER-SUPPLY	AIR	66.6666	123.662	50	.075	63	1114	51520000
INTERPHONE-P-A-SYSTEM-AM/AIC-13	AIR	66.6666	259.313	66	.015	63	1114	51527000
SEARCH-RADAR-SUBSYSTEM	AIR	67.681	87.6325	37	.39893	62	2322	51524000
CONTROL-SPEED-BRAKE-SYSTEM	AIR	69.5182	81.2411	1194	.10357	67	1272	51526000
ENRICHMENT, FUEL-SYSTEM	AIR	70.2341	94.2618	200	.299	63	1114	51528000
GENERATOR-AC-POWER-SUPPLY-SYSTEM	AIR	71.6295	277.835	48	.014	59	1110	51530000
DOORS-CARGO-COMPARTMENT	AIR	72.9394	162.431	76	.04113	66	1250	51532000
CONTROL-DC-POWER-SUPPLY-SYSTEM	MSL	73.1707	115.495		.123	57	212	51534000
FLOW-SCAVENGE-DISTRIBUTION.	AIR	73.3740	91.1134	597	.51789	67	1272	51536000
FUEL-SYSTEM	AIR	73.6543	95.8530	408	.353	63	1114	51538000
AFTERBURNER-THRUSTLE-CONTROL	AIR	74.3852	103.29	946	.22854	65	1228	51540000
ACTUATING-WING-FLAP-SYSTEM	AIR	76.923	153.722	14	.052	62	1093	51542000
GROUND-IDLE-LOW-SPEED.	AIR	78.7608	124.319	473	.11427	65	1228	51544000
ENGINE-CONTROLS	AIR	80.7674	99.4622	200	.50763	65	1198	51546000
POSITION-LANDING-GEAR-NOSE	AIR	80.9061	215.303	48	.02472	65	1227	51548000
TEST-GENERATOR.	AIR	80.9061	215.303	48	.02472	65	1227	51550000
EMERGENCY-POWER-SYSTEM								
CONTROL-PUMP-ELECTRIC.	AIR	80.9061	161.681	96	.04944	65	1227	51552000
NO-3-HYDRAULIC-SYSTEM								
DOORS-CARGO-COMPARTMENT	AIR	80.9061	215.303	48	.02472	65	1227	51554000
CONTROL-MANGLE-LANDING-GEAR	AIR	83.3333	324.141	31	.012	63	1111	51556000
CONTROL-MANUAL-WINDSHIELD-WIPER	AIR	83.3333	324.141	31	.012	63	1111	51558000
DOWN-WARNING-INDICATING-LANDING-GEAR	AIR	83.3333	324.141	31	.012	63	1111	51560000
SPOILER/AIRBRAKE-CONTROL	SUB	83.3333	324.141	12	.017	63	1119	51562000
BOMB-NAVIGATION-SYSTEM	AIR	83.752	325.77	31	.01194	63	1111	51564000
EXTENSION-LIGHT	AIR	83.752	325.77	31	.01194	63	1111	51566000
ACTUATING-WING-FLAP-SYSTEM	AIR	84.9061	103.849	597	.51789	67	1272	51570000





HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

PART CLASS 791 SWITCHES, ELECTRICAL

PART DESCRIPTION

FUNCTIONAL APPLICATION

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

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OF DATA INDEX  
RPT SRCE REF NO

FAILURE  
RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
HOURS

ENVIRONMENT

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OF DATA INDEX  
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00 N.O.C.

UP-INDICATING-LANDING-GEAR LOCK-WARNING-AND-INDICATING. LANDING-GEAR	AIR	166.666	323.269	62	.024	63 1111 51638000
LAMERA-DOOR	AIR	166.666	443.525	31	.012	63 1111 51640000
FLIGHT-OIM-SYSTEM-AIR-FORCE-STD	AIR	166.666	443.525	31	.012	63 1111 51642000
GUN-TURRET-FIRE-CONTROL-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51644000
DOOR-GAS-TURBINE-COMPRESSOR.	AIR	166.666	443.525	31	.012	63 1111 51646000
AUXILIARY-POWER-PLANT	AIR	166.666	443.525	31	.012	63 1111 51648000
A/B-THRUSTLE-CONTROL	AIR	166.666	443.525	31	.012	63 1111 51650000
FUEL-FLOW-LM	AIR	166.666	443.525	31	.012	63 1111 51652000
COMMAND-SUB-SYSTEM-RADAR-SET- AN/ARC-57	AIR	166.666	443.525	31	.012	63 1111 51654000
DOOR-GAS-TURBINE-COMPRESSOR.	AIR	166.666	443.525	31	.012	63 1111 51656000
AUXILIARY-POWER-PLANT	AIR	166.666	443.525	31	.012	63 1111 51658000
MICROPHONE-MAND-INTERPHONE-AIC-ICA	AIR	166.666	443.525	31	.012	63 1111 51660000
FLOW-PYLON-TANK-DISTRIBUTION.	AIR	166.666	443.525	31	.012	63 1111 51662000
FUEL-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51664000
TOUCHDOWN-LANDING-GEAR-MAIN INTERCOM-AN/AIC-19-ENGINEER/	AIR	166.666	443.525	31	.012	63 1111 51666000
NAVIGATOR	AIR	166.666	443.525	31	.012	63 1111 51668000
INTERNAL-POWER-AC-POWER-SUPPLY	AIR	166.666	443.525	31	.012	63 1111 51670000
FLOW-PYLON-TANK-DISTRIBUTION.	AIR	166.666	443.525	31	.012	63 1111 51672000
LOCK-LANDING-GEAR	AIR	166.666	443.525	31	.012	63 1111 51674000
SAFETY-ARTIFICIAL-FEEL.	AIR	166.666	443.525	31	.012	63 1111 51676000
STABILIZER-HORIZONTAL	AIR	166.666	443.525	31	.012	63 1111 51678000
FLOAT-FUEL	AIR	166.666	443.525	31	.012	63 1111 51680000
TRIM-CONTROL-STICK-AILERON-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51682000
TRIM-CONTROL-STICK-AILERON-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51684000
FIRE-CONTROL-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51686000
TRIM-CONTROL-STICK-AILERON-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51688000
IFF-SYSTEM-AN/APX-25-SA/498	AIR	166.666	443.525	31	.012	63 1111 51690000
WARNING-PUMP-PRESSURE.	AIR	166.666	443.525	31	.012	63 1111 51692000
NO-2-HYDRAULIC-SYSTEM	AIR	166.666	443.525	31	.012	63 1111 51694000
CONTROL-FUEL-PUMP	AIR	166.666	443.525	31	.012	63 1111 51696000
IFF-SYSTEM-AN/APX-25-SA/498	AIR	166.666	443.525	31	.012	63 1111 51698000
INTERCOM-AN/AIC-10-PILOT/COPILOT	AIR	166.666	443.525	31	.012	63 1111 51700000
CONTROL-MANUAL-WHEEL	AIR	166.666	443.525	31	.012	63 1111 51702000
INTERCOM-AN/AIC-10-PILOT/COPILOT	AIR	166.666	443.525	31	.012	63 1111 51704000
FUEL-TRANSFER-LO-LEVEL-WARNING-FLOAT	AIR	166.666	443.525	31	.012	63 1111 51706000
MACHINE-PRESSURE-OIL-COOLER-DOOR	AIR	166.666	443.525	31	.012	63 1111 51708000
FLOAT	AIR	166.666	443.525	31	.012	63 1111 51710000
IGNITION-AFTERBURNER.	AIR	166.666	443.525	31	.012	63 1111 51712000
PRESSURE-DIFF	AIR	166.666	443.525	31	.012	63 1111 51714000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1964

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART TYPE	TO CODES
PART DESCRIPTION							BY DATA SOURCE NOT ELSEWHERE
.00 N.O.C.							
INTERCOM-STEERING-WHEEL-AN/AIC-18		AIR		546-343	014-239	43	65 1227 51710000
DIFFER.PRESSURE		GRD		603-145			63 2231 51710000
CONTROL-LIGHTING-SYSTEM		AIR		644-181	948-434	1800	63 1159 51710000
		GRD		644-666	1263-06	68	63 1114 51710000
		GRD		1000	1257-75		62 1072 51710000
INTERCOM-STEERING-WHEEL-AN/AIC-18		AIR		1100			61 205 51720000
CONTROL-PRESSURE.FUEL		GRD		1191-34	1440-53	76	64 1250 51720000
SKID		GRD		2064-33	2230-65		62 232 51720000
LOCK.MASTER.PANEL.MONITOR-CENTRAL		AIR		2439-02C	6490-42		64 245 51720000
ANALOG-SIGNAL-SAMPLING-COMPUTER		AIR		3030-3	8564-09	6	62 1157 51720000
CONTROL-PRESSURE-LIQUID-OXYGEN		AIR		3076-92	4231-04		64 1241 51730000
THROTTLE-CONTROL		GRD		6741-57	9272-02	34	64 1234 51730000
(STORAGE)		AIR		14960-6C	20395-7C		64 245 51730000
(3 ORANGE)		GRD		131-188	173-701	812	64 1179 51730000
FAILED-CABLE-WING-FLAP-SYSTEM		MSL		35333-3C	48610-1C		64 245 51730000
WING-FLAP-SYSTEM		AIR		10			65 2440 51740000
INSTRUCTOR-SEAT		AIR		10	25-9834	76	64 245 51740000
INSTRUCTOR-SEAT		AIR		17-5024	93-1472	48	65 1227 51740000
STUDENT-SEAT		AIR		25-1018	46-5765	473	65 1228 51740000
STUDENT-SEAT		AIR		32-8295	36-6061	597	67 1272 51750000
STUDENT-SEAT		AIR		34-2231	42-5813	597	67 1272 51750000
INSTRUCTOR-SEAT		AIR		52-5072	76-2126	406	64 1179 51750000
POWER-SUPPLY-SYSTEM		AIR		57-0385	92-1483	473	65 1223 51750000
POWER-SUPPLY-SYSTEM		AIR		0	105-803	406	64 1179 51750000
POWER-SUPPLY-SYSTEM		AIR		75-2303	815-664	41	63 1132 51760000
POWER-SUPPLY-SYSTEM		AIR		75-2303	150-339		65 1241 51760000
POWER-SUPPLY-SYSTEM		LAB		0	150-339		65 1188 51760000
POWER-SUPPLY-SYSTEM		LAB		2-44698C	1-87814C	6	62 1274 51760000
POWER-SUPPLY-SYSTEM		LAB		10-3794C	5-44924C	6	62 1274 51760000
POWER-SUPPLY-SYSTEM		LAB		16-7785C	18-209C	6	62 1274 51770000
POWER-SUPPLY-SYSTEM		LAB		17-8412C	29-4521C	6	62 1274 51770000
POWER-SUPPLY-SYSTEM		AIR		0	31-3175C	6	62 1274 51770000
POWER-SUPPLY-SYSTEM		AIR		42-3011	192-847	31	63 1111 51770000
POWER-SUPPLY-SYSTEM		AIR		190P	74-2533		66 1241 51770000
POWER-SUPPLY-SYSTEM		AIR		510P			66 2360 51780000
POWER-SUPPLY-SYSTEM		AIR		12-8899	28-7049	200	66 2365 51780000
POWER-SUPPLY-SYSTEM		AIR		15-7558	31-4942	100	65 1198 51780000
POWER-SUPPLY-SYSTEM		AIR		22-7272	45-4178	204	63 1114 51780000
POWER-SUPPLY-SYSTEM		AIR		41-2833	69-4202	100	63 1198 51790000
POWER-SUPPLY-SYSTEM		AIR		46-9798	78-9593	100	63 1114 51790000
POWER-SUPPLY-SYSTEM		AIR		64-5161	171-687	136	63 1114 51790000
POWER-SUPPLY-SYSTEM		AIR		200P			66 2365 51790000
POWER-SUPPLY-SYSTEM		AIR		370P			66 2360 51790000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 50 CONF LIMIT	PART LATION HOURS	YR OF DATA INDEX	CROSS RPT SACE REF NO
PART DESCRIPTION								
ARM-SELECTOR			AIR	127.272	214.016	320	.055	61 1090 51800000
ARMING	ALL-DOORS		AIR	0	93.1472	48	.02472	65 1227 51802000
ASSEMBLY-LIMIT	ALL-DOORS		AIR	24.3131	94.5708	76	.04113	66 1250 51804000
BLADE	NEGATIVE-TORQUE-CONTROL-REDUCTION-GEAR		GRD	1694.91C	6592.71C		.00059C	66 2MS 51806000
	NEGATIVE-TORQUE-CONTROL-REDUCTION-GEAR		AIR	159.735	190.765	200	.33912	63 1198 51808000
BLADE	NEGATIVE-TORQUE-CONTROL-REDUCTION-GEAR		AIR	170.568	205.448	20C	.299	63 1114 51810000
BULB-RELEASE			AIR	213.1				
BUTTON	DISCHARGE-FIRE-EXTINGUISHING-SYSTEM		AIR	2.35904	9.17598	250	.4239	57 211 51812000
BUTTON	DISCHARGE-FIRE-EXTINGUISHING-SYSTEM		AIR	2.66666	10.3725	250	.375	63 1198 51814000
BUTTON	DISCHARGE-FIRE-EXTINGUISHING-SYSTEM		AIR	8.59328	33.4252	100	.11637	63 1114 51816000
BUTTON	DISCHARGE-FIRE-EXTINGUISHING-SYSTEM		AIR	15.7591	41.9375	50	.12651	65 1198 51818000
BUTTON	DISCHARGE-AUTOPILOT-MA-2		AIR	41.8935	162.953	62	.02387	63 1111 51820000
BUTTON	DISCHARGE-FIRE-EXTINGUISHING-SYSTEM		AIR	66.6666	259.313	68	.015	63 1114 51822000
BYPASS	FILTER-FUEL-SYSTEM		AIR	60.6796	106.513	192	.04888	65 1227 51824000
CABIN-NOG	AIR-CONDITIONING-727		AIR	180P				66 2560 51826000
CAM			AIR GND		6.71312		.343	58 212 51830000
CAM	(PER-CONTACT-SET)		LAB	.075				63 1138 51832000
CAM			AIR	48.2				57 211 51834000
CENTERING	LANDING-GEAR		AIR	83.3333	324.141	31	.012	63 1111 51836000
CENTRIFUGAL	AUXILIARY-POWER-UNIT		AIR	48.6263	129.401	76	.04113	66 1250 51838000A
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	66.6666	259.313	68	.015	63 1114 51840000
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	77.3395	122.076	100	.11637	65 1198 51842000
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	82.5666	138.84	50	.08478	63 1198 51844000
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	93.3333	156.945	50	.075	63 1114 51846000
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	102.272	161.431	102	.088	63 1114 51848000
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT		AIR	149.712	204.101	50	.12691	65 1198 51850000
CENTRIFUGAL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-UNIT		AIR	202.265	375.19	48	.02472	63 1227 51852000
CENTRIFUGAL-ACTUATION			AIR	.06P				65 2590 51854000
CENTRIFUGAL-ACTUATION			AIR	.61P				65 2590 51856000
CENTRIFUGAL-ACTUATION			AIR	.62				63 2590 51858000
CENTRIFUGAL-ACTUATION			AIR	.72P				65 2590 51860000
CENTRIFUGAL-ACTUATION			AIR	1.44				65 2590 51862000
CENTRIFUGAL-ACTUATION			AIR	.12P				65 2590 51864000
CUTOUT			AIR	.54P				65 2590 51866000
CENTRIFUGAL-ACTUATION			AIR	.68P				65 2590 51868000
SPEED-SENSING			AIR					
CENTRIFUGAL-ACTUATION			AIR					
SPEED-SENSING			AIR					

ROME AIR DEVELOPMENT CENTER, GRADISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1945

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR RPT SINCE	CROSS INDEX REF NO
PART DESCRIPTION									
-00 N.O.C.									
COAXIAL-AUTOMATIC									
COMPUTER			GRD	6.5				63 1098	51370000
COMPUTER			AIR GND		4.92377		.509	59 212	51872000
CONTACT-BRIDGE			AIR	6.1				57 217	51874000
CONTROL			SIM AIR	223.222	292.44	487	.198	62 1108	51874000
CUTOUT			AIR	2643.17	4639.69		.00227	62 2700	51876000
CUTOUT-CENTRIFUGAL			AIR		152.247	31	.01194	63 1111	51880000
CUTOUT-CENTRIFUGAL			AIR		4.94472	400	.46344	63 1198	51882000
CUTOUT-CENTRIFUGAL			AIR		20.7475	200	.50763	63 1198	51884000
CUTOUT-CENTRIFUGAL			AIR		16.9971	408	.353	63 1114	51886000
CUTOUT-CENTRIFUGAL			AIR		43.5451	86.6306	.249	63 1114	51888000
CUTOUT-CENTRIFUGAL			AIR		67.8226	200	.33912	63 1198	51890000
CUTOUT-CENTRIFUGAL			AIR		2.08889	189	.32395	63 1155	51892000
CUTOUT-CENTRIFUGAL			AIR		11CP			66 2362	51894000
CUTOUT-CENTRIFUGAL			AIR		230P			66 2362	51896000
CUTOUT-CENTRIFUGAL			AIR		31CP			66 2362	51898000
CUTOUT-CENTRIFUGAL			AIR		110P			66 2361	51900000
CUTOUT-CENTRIFUGAL			AIR		230P			66 2361	51902000
CUTOUT-CENTRIFUGAL			AIR		260P			62 2301	51904000
CUTOUT-CENTRIFUGAL			AIR		31CP			65 2364	51906000
CUTOUT-CENTRIFUGAL			AIR		46CP			65 2364	51908000
CUTOUT-CENTRIFUGAL			AIR		40.5405	90.281	.074	59 1070	51910000
CUTOUT-CENTRIFUGAL			SIM AIR		138.961	16	.01657	64 1150	51912000
CUTOUT-CENTRIFUGAL			SIM AIR		1101.72	4	.08209	64 1151	51914000
CUTOUT-CENTRIFUGAL			AIR		10.1363	26.2743	.13731	65 212	51916000
CUTOUT-CENTRIFUGAL			AIR		15.1522	27.0167	.197	66 1253	51918000
CUTOUT-CENTRIFUGAL			AIR GND		15.0375	30.0509	.266	61 1087	51920000
CUTOUT-CENTRIFUGAL			AIR GND		19.8019	52.696	.101	62 1087	51922000
CUTOUT-CENTRIFUGAL			AIR GND		35.7142	71.3709	.112	62 1087	51924000
CUTOUT-CENTRIFUGAL			AIR GND		.00969	.025788	206.39	66 252	51926000
CUTOUT-CENTRIFUGAL			SRD	3				63 1298	51928000
CUTOUT-CENTRIFUGAL			LAB	122.448A	272.689A		.0245A	62 1136	51930000
CUTOUT-CENTRIFUGAL			LAB	1428.57A	3801.64A		.0014A	62 1136	51932000
CUTOUT-CENTRIFUGAL			AIR	15CP				65 2365	51934000
CUTOUT-CENTRIFUGAL			AIR	32CP				65 2365	51936000
CUTOUT-CENTRIFUGAL			AIR	15CP				66 2360	51938000
CUTOUT-CENTRIFUGAL			AIR	24CP				65 2360	51940000
CUTOUT-CENTRIFUGAL			AIR	54CP				65 2363	51942000
CUTOUT-CENTRIFUGAL			AIR	1190P				66 2363	51944000
CUTOUT-CENTRIFUGAL			AIR	1360P				66 2363	51946000
CUTOUT-CENTRIFUGAL			AIR	70P				66 2362	51948000
CUTOUT-CENTRIFUGAL			AIR	70P				65 2364	51950000
CUTOUT-CENTRIFUGAL			AIR	190P				66 2364	51952000
CUTOUT-CENTRIFUGAL			AIR	20CP				66 2364	51954000
CUTOUT-CENTRIFUGAL			AIR	23CP				66 2362	51956000
CUTOUT-CENTRIFUGAL			AIR	24CP				66 2362	51958000

ROMP AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS 791 SWITCHES, ELECTRICAL

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

YR DATA INDEX

RPT SRCE REF NO

-00 N-0-0-

FLIGHT-DIRECTOR-ALT-CONTROL	NAVIGATION-707-331	AIR	310P	66 2362	51260000
FLIGHT-DIRECTOR-ALT-CONTROL	NAVIGATION-707-331	AIR	310P	65 2364	51967000
FLIGHT-DIRECTOR-ALT-CONTROL	NAVIGATION-707-131B	AIR	340P	66 2364	51964000
FLIGHT-DIRECTOR-ALT-CONTROL	NAVIGATION-707-331	AIR	340P	66 2364	51966000
FLIGHT-DIRECTOR-ALT-CONTROL	NAVIGATION-707-131	AIR	550P	65 2364	51968000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-880	AIR	160P	65 2365	51970000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-880	AIR	170P	66 2362	51972000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-880	AIR	180P	65 2363	51974000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-707-131	AIR	230P	66 2364	51976000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-707-131	AIR	230P	66 2362	51978000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-707-131	SHR	67-7966	65 1248	51980000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-707-131	GRD	67-7966	64 1210	51982000
FLIGHT-DIRECTOR-FUNCTION	NAVIGATION-707-131	AIR	140P	66 2361	51984000
ENGINE-FUEL-AND-CONTROL-707-331	ENGINE-FUEL-AND-CONTROL-707-331	AIR	170P	66 2364	51986000
ENGINE-FUEL-AND-CONTROL-707-331	ENGINE-FUEL-AND-CONTROL-707-331	AIR	10P	66 2364	51988000
FUEL-707-131B	FUEL-707-131B	AIR	1CP	66 2364	51990000
FUEL-707-131B	FUEL-707-131B	AIR	1CP	65 2364	51992000
FUEL-707-131B	FUEL-707-131B	AIR	2CP	66 2364	51994000
FUEL-707-131B	FUEL-707-131B	AIR	2CP	66 2364	51996000
FUEL-707-131	FUEL-707-131	AIR	40P	65 2365	51998000
FUEL-707-131	FUEL-707-131	AIR	40P	66 2364	52000000
FUEL-707-131	FUEL-707-131	AIR	50P	66 2365	52002000
FUEL-707-131	FUEL-707-131	AIR	50P	66 2365	52004000
FUEL-707-131	FUEL-707-131	AIR	99-3048	63 2111	52006000
FUEL-707-131	FUEL-707-131	AIR	30P	66 2364	52-080000
FUEL-707-131	FUEL-707-131	AIR	40-8342	63 2111	52010000
FUEL-707-131	FUEL-707-131	AIR	8CP	66 2364	52012000
P-A-SYSTEM-AN/AIC-13	P-A-SYSTEM-AN/AIC-13	AIR	8CP	66 2364	52014000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	100P	66 1250	52016000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	140P	66 1250	52018000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	15CP	66 2361	52020000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	170P	66 2361	52022000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	170P	65 2361	52024000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	180P	66 2361	52026000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	26CP	66 2361	52028000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	370P	65 2361	52030000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	40P	66 2361	52032000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	530P	65 2361	52034000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	30P	66 2361	52036000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	60P	66 2362	52038000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	60P	66 2364	52040000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	100P	66 2364	52042000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	110P	66 2364	52044000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	150P	66 2362	52046000
EQUIPMENT/FURNISHINGS-707-331B	EQUIPMENT/FURNISHINGS-707-331B	AIR	150P	66 2362	52048000

RUDE AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	791 SWITCHES, ELECTRICAL					
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	CROSS INDEX RPT SACE REF NO
-00 N.O.C.						
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331	AIR	170P		65 2362	52054000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331B	AIR	180P		66 2362	52052000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-131	AIR	200P		65 2364	52054000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-131B	AIR	230P		66 2364	52056000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331	AIR	230P		66 2364	52056000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-131B	AIR	280P		65 2356	52060000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-131B	AIR	280P		65 2362	52062000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331B	AIR	300P		66 2364	52064000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-131	AIR	300P		65 2362	52064000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331	AIR	310P		66 2362	52069000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-131	AIR	310P		66 2362	52070003
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331B	AIR	340P		66 2364	52072000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331	AIR	340P		66 2364	52074000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331B	AIR	360P		66 2362	52076000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331	AIR	390P		65 2364	52078000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331	AIR	510P		65 2362	52080000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331B	AIR	630P		65 2364	52082000
GALLEY-WATER-PRESSURE	EQUIPMENT/FURNISHINGS-707-331B	AIR	1180P		65 2364	52087000
GAP	(25C.HLV-1.1CPR)	LAB	19.8019C	52.693C	405	52084000
GENERAL	BOMB NAVIGATION	AIR		5.9041		52084000
GENERAL	DIGITAL	GRD		5.94987		52086000
GENERAL	COMPUTER	GRD		69.7757		52090000
GENERAL	BOMB NAVIGATION	AIR		38.3766		52092000
GENERAL	TRANSMITTER	SHP				52094000
GENERAL	GENERAL	GEN				52096000
GENERAL	DIGITAL	LAB				52100000
GENERAL	DIGITAL	GRD				52102000
GENERAL	RADIO	GRD				52104000
GENERAL	RADIO	GRD				52106000
GENERAL	DIGITAL	GRD				52108000
GENERAL	GENERAL (CONTINUOUSLY-ON)	GRD				52110000
GENERAL	GENERAL	SHP				52112000
GENERAL	GENERAL	LAB				52114000
GENERAL	GENERAL	AIR				52116000
GENERAL	GENERAL	SHP				52118000
GENERAL	GENERAL	SHP				52120000
GENERAL	GENERAL	SHP				52122000
GENERAL	GENERAL	GRD				52124000
GENERAL	GENERAL	GRD				52126000
GENERAL	GENERAL	GRD				52128000
GENERAL	GENERAL	SHP				52130000
GENERAL	DIGITAL	SHP				52132000
GENERAL	GENERAL	GRD				52134000
GENERAL	GENERAL	GRD				52136000
GENERAL	GENERAL	GRD				52138000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 791 SWITCHES, ELECTRICAL

YR CB933

PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER 90 CONF PART POPU- PAPY ENVIRONMENT RATE FAILURE LIMIT LATION MOHRS RPT SINCE REF NO

-00 N.O.C.

GENERAL	GENERAL (CYCLED)	SHIP	1-2			U 2001 52140000
GENERAL	DIGITAL	GRD	1-6		36.647	59 2001 52140000
GENERAL	GENERAL	MSL	2			57 211 52140000
GENERAL	RECEIVER	AIR	2-1			U 2001 52140000
GENERAL	RADAR	SHIP	2-3			U 2001 52140000
GENERAL	NAVIGATION-AID	GRD	2-4		-830	57 2001 52140000
GENERAL	RECEIVER	GRD	2-5		128	57 2001 52140000
GENERAL	AUTO-FLIGHT-CONTROL	SHIP	2-6			U 2001 52140000
GENERAL	GENERAL	AIR	3-1			U 2001 52140000
GENERAL	RADIO	GRD	4			57 2001 52140000
GENERAL	BOMB-NAVIGATION	AIR	4-3		2.14	58 2001 52140000
GENERAL	FIRE-CONTROL	AIR	5-75		1.14	57 2001 52140000
GENERAL	AUTO-FLIGHT-CONTROL	AIR	6			57 211 52140000
GENERAL	GENERAL	AIR	8			57 2001 52140000
GENERAL	GENERAL	AIR	8-2			57 211 52170000
GENERAL	GENERAL	AIR	9-9			57 211 52170000
GENERAL	GENERAL	AIR	12			U 2001 52174000
GENERAL	FIRE-CONTROL	AIR	12		251	58 2001 52174000
GENERAL	BOMB-NAVIGATION	SHIP	13		7.8	57 2001 52178000
GENERAL	GENERAL	AIR	15			U 2001 52180000
GENERAL	RADAR	AIR	16		1-55	57 2001 52182000
GENERAL	BOMB-NAVIGATION	AIR	16		-412	61 2001 52184000
GENERAL	BOMB-NAVIGATION	AIR	17-5		-150	U 2001 52186000
GENERAL	AUTO-FLIGHT-CONTROL	AIR	18			57 211 52188000
GENERAL	BOMB-NAVIGATION	AIR	20			57 2001 52190000
GENERAL	GENERAL	AIR	24			U 2001 52192000
GENERAL	GENERAL	AIR	24-2			57 211 52194000
GENERAL	RADAR	AIR	26			57 211 52194000
GENERAL	GENERAL	AIR	28		-742	57 2001 52196000
GENERAL	BOMB-NAVIGATION	AIR	30			57 211 52200000
GENERAL	GENERAL	AIR	34		-609	57 2001 52202000
GENERAL	AUTO-FLIGHT-CONTROL	AIR	62			57 211 52204000
GENERAL	HADAR	AIR	70		-123	57 2001 52206000
GENERAL	GENERAL (STEPPING)	MSL	90		-113	58 2001 52208000
GENERAL	GENERAL	SHIP	110			57 211 52210000
GENERAL	GENERAL	SHIP	110-4			U 2001 52212000
HEATER-CYCLING	GENERAL	AIR	6-17284	16-4268	-324	63 2105 52214000
HEATER-PRESSURE	GENERAL	AIR	9-25925	24-6402	-216	63 2105 52216000
HIGH-PRESSURE	GENERAL	GRD	23049.5C	28950C	-00258C	66 2105 52218000
HIGH-TEMPERATURE-LIMIT	GENERAL	GRD	0000417			61 2231 52220000
HYDRAULIC	PITCH-TRIM-ACTUATOR	AIR	0	27.9917 152	-08226	66 1250 52222000A
HYDRAULIC-PRESS	HYDRAULIC-POWER. 727	AIR	207			66 2363 52224000
HYDRAULIC-PRESSURE	HYDRAULIC-POWER. 727	AIR	207			66 2363 52226000
HYDRAULIC-PRESSURE	HYDRAULIC-POWER. 727	AIR	207			66 2363 52228000





ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1965

PART CLASS	751 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART	TIME	CROSS
PART DESCRIPTION								
LEVEL-LIMIT-FUEL			GRD	0	20932.7C	00011C	64	2751 523740000
LEVEL-LIMIT-LOG			GRD	0	42032C	00005C	64	2857 523720000
LEVER			AIR	0			62	2240 523180000
LIGHT-POWERSTAT			GRD	2.42424	3.82653	3243	64	1176 523200000
LIMIT			AIR	92.9348	121.602	134C	61	1000 523200000
LIMIT			AIR	0	27.4917	132	64	1230 523240000
LIMIT		DOOR-ELEC-AIR-SPOILER-PARATRAMP	AIR	0	6.99878	408	64	1250 523240000
LIMIT		FUEL-LEVEL	GRD	0	230274C	3	64	1243 523280000
LIMIT		RUDDER-AUTOPILOT-MA-2	AIR	0	192.867	31	63	1111 523300000
LIMIT		PITCH-TRIM-ACTUATOR	AIR	0	11.6434	304	63	1227 523320000
LIMIT		WING-FLAP-ASSEMBLY	AIR	0	13.5798	100	63	1198 523340000
LIMIT		A-FRAME-AIR-DROP-SYSTEM	AIR	0	46.5736	96	63	1227 523340000
LIMIT		DOOR-ELEC-AIR-SPOILER-PARATRAMP	AIR	0	48.5736	96	63	1227 523380000
LIMIT		WING-FLAP-ASSEMBLY	AIR	3.9398	15.3246	100	63	1198 523400000
LIMIT		DOWN-LANDING-GEAR-NOSE	AIR	5.68181	22.1005	204	63	1114 523420000
LIMIT		WING-FLAP-ASSEMBLY	AIR	5.68181	22.1005	204	63	1114 523440000
LIMIT		UP-LANDING-GEAR-MAIN	AIR	5.68181	22.1005	204	63	1114 523460000
LIMIT		DOWN-LANDING-GEAR-NOSE	AIR	7.8796	20.9687	100	63	1198 523480000
LIMIT		DOWN-LANDING-GEAR-MAIN	AIR	8.59328	22.868	200	63	1198 523500000
LIMIT		DOWN-LANDING-GEAR-NOSE	AIR	11.7952	31.3889	100	63	1198 523520000
LIMIT		UP-LANDING-GEAR-MAIN	AIR	11.8194	26.321	100	63	1198 523540000
LIMIT		PACK-WING-SPOILER-SYSTEM	AIR	12.138	32.3544	304	64	1250 523560000
LIMIT		UP-LANDING-GEAR-MAIN	AIR	12.8099	26.7049	200	63	1198 523580000
LIMIT		DOWN-LANDING-GEAR-NOSE	AIR	12.8099	26.7049	200	63	1198 523600000
LIMIT		DOWN-LANDING-GEAR-NOSE	AIR	13.4228	35.7201	100	63	1198 523620000
LIMIT		UP-LANDING-GEAR-MAIN	AIR	14.744	27.3493	200	63	1198 523640000
LIMIT		DOWN-LANDING-GEAR-MAIN	AIR	14.744	27.3493	200	63	1198 523660000
LIMIT		UP-LANDING-GEAR-MAIN	AIR	16.7224	31.019	200	63	1114 523680000
LIMIT		WING-FLAP-ASSEMBLY	AIR	17.1865	34.3454	200	63	1198 523700000
LIMIT		PACK-WING-SPOILER-SYSTEM	AIR	20.2265	53.8258	192	63	1227 523720000
LIMIT		UP-LANDING-GEAR-NOSE	AIR	23.5904	62.7777	96	63	1198 523740000
LIMIT		A-FRAME-AIR-DROP-SYSTEM	AIR	24.3131	64.7009	132	64	1250 523760000
LIMIT		UP-LANDING-GEAR-NOSE	AIR	25.7798	57.4099	100	63	1198 523780000
LIMIT		AILERON-SYSTEM-FLIGHT-CONTROL	AIR	26.2336	56.465	473	63	1228 523800000
LIMIT		UP-LANDING-GEAR-NOSE	AIR	26.6666	70.964	50	63	1114 523820000
LIMIT		RAMP-RETRACT-TRAVEL	AIR	28.9714	111.134	320	63	1000 523840000
LIMIT		AILERON-SYSTEM-FLIGHT-CONTROL	AIR	30.8945	43.352	597	67	1272 523860000
LIMIT		UP-LANDING-GEAR-MAIN	AIR	32.238	125.474	136	63	1114 523880000
LIMIT		AILERON-SYSTEM-FLIGHT-CONTROL	AIR	34.2231	76.2126	404	64	1179 523900000
LIMIT		DOWN-LANDING-GEAR-MAIN	AIR	39.3079	60.6991	100	63	1198 523920000
LIMIT		WING-FLAP-SYSTEM	AIR	48.4827	67.3228	1424	63	1179 523940000
LIMIT		DOWN-LANDING-GEAR-MAIN	AIR	51.1363	66.7159	204	63	1114 523960000
LIMIT		WING-FLAP-ASSEMBLY	AIR	54.095	71.5455	1992	63	1228 523980000
LIMIT		UP-LANDING-GEAR-NOSE	AIR	58.4506	67.415	960	61	1000 524000000
LIMIT		UP-LANDING-GEAR-NOSE	AIR	63.0367	102.393	50	63	1198 524020000

~~ROOM AND DEVELOPMENT CENTER, OFFICE APT. N.Y.  
SECTION; FAILURE RATE DATA~~

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**SECRET**

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## SECTION I FAILURE RATE DATA

PART CLASS	751 SWITCHES, ELECTRICAL	UPPER NO COMP LIMIT	PART POP- LATION	YR OF DATA RPT SINCE REF NO	CROSS INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	PART HOURS	
MACH-WARNING	NAVIGATION-707-1318	1902P	AIR	64	2342 52540000
MACH-WARNING	NAVIGATION-707-1318	2430P	AIR	64	2342 52540000
MACH-WARNING	NAVIGATION-707-1318	3160P	AIR	64	2341 52540000
MACH-WARNING	NAVIGATION-800	180P	AIR	65	2343 52500000
MACH-WARNING	NAVIGATION-800	760P	AIR	64	2343 52500000
MACH-WARNING	NAVIGATION-800	1060P	AIR	64	2343 52500000
MACH-WARNING	NAVIGATION-800	1170P	AIR	64	2343 52500000
MACH-WARNING	NAVIGATION-800	1180P	AIR	64	2344 52500000
MACH-WARNING	NAVIGATION-707-1318	2000P	AIR	64	2344 52500000
MACH-WARNING	NAVIGATION-707-1318	100P	MELT	65	1215 52512000
MACH-WARNING	NAVIGATION-707-1318	104-166	AIR	63	1111 52514000
MACH-WARNING	NAVIGATION-707-1318	8	AIR	64	1250 52516000
MACH-WARNING	NAVIGATION-707-1318	9	AIR	65	1227 52518000
MACH-WARNING	NAVIGATION-707-1318	92-1472	AIR	63	1111 52520000
MACH-WARNING	NAVIGATION-707-1318	97-2425	AIR	61	1089 52522000
MACH-WARNING	NAVIGATION-707-1318	25	AIR	65	2590 52524000
MACH-WARNING	NAVIGATION-707-1318	04P	AIR	65	2590 52526000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52528000
MACH-WARNING	NAVIGATION-707-1318	09P	AIR	65	2590 52530000
MACH-WARNING	NAVIGATION-707-1318	52P	AIR	65	2590 52532000
MACH-WARNING	NAVIGATION-707-1318	58P	AIR	65	2590 52534000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52536000
MACH-WARNING	NAVIGATION-707-1318	16P	AIR	65	2590 52538000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52540000
MACH-WARNING	NAVIGATION-707-1318	05P	AIR	65	2590 52542000
MACH-WARNING	NAVIGATION-707-1318	04P	AIR	65	2590 52544000
MACH-WARNING	NAVIGATION-707-1318	04P	AIR	65	2590 52546000
MACH-WARNING	NAVIGATION-707-1318	04P	AIR	65	2590 52548000
MACH-WARNING	NAVIGATION-707-1318	04P	AIR	65	2590 52550000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52552000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52554000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52556000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52558000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52560000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52562000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52564000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52566000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52568000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52570000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52572000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52574000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52576000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52578000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52580000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52582000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52584000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52586000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52588000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52590000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52592000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52594000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52596000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52598000
MACH-WARNING	NAVIGATION-707-1318	08P	AIR	65	2590 52600000
MACH-WARNING	NAVIGATION-707-1318	1P	AIR	65	2590 52602000
MACH-WARNING	NAVIGATION-707-1318	19P	AIR	65	2590 52604000
MACH-WARNING	NAVIGATION-707-1318	4P	AIR	65	2590 52606000
MACH-WARNING	NAVIGATION-707-1318				

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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR DATA INDEX	YR RPT SAGE REF NO
PART DESCRIPTION									
CC M.O.C.									
MICRO	(PER-CONTACT)-SET		LAR	.25				62 1128	52624000
MICRO			SMP	.53				62 2240	52624000
MICRO	GUARDANT. ENGINE-CONTROL (SWITCH)		AIR	.920697	2.05033	2800	3.2384	65 1198	52624000
MICRO			GEN	1				62 1078	52630000
MICRO			AIR GND	1.11111	4.32188		.9	61 1087	52632000
MICRO	DOOR. MECHANICAL CREW		AIR	5.68181	22.1005	204	.176	63 1114	52634000
MICRO	DOOR. MECHANICAL CREW		AIR	5.89761	22.9399	199	.16956	63 1198	52635000
MICRO			GRD	6.30252	9.94817		1.428	61 2240	52636000
MICRO	DOOR. MECHANICAL CREW		AIR	6.7114	26.1053	100	.149	63 1114	52640000
MICRO	DOOR. MECHANICAL CREW		AIR	1.8796	20.9687	100	.25382	65 1198	52642000
MICRO			AIR GND	8				59 212	52644000
MICRO			AIR	8				57 211	52644000
MICRO			AIR	8				57 211	52644000
MICRO			AIR	10				61 1048	52650000
MICRO	DOOR. HYDRAULIC. FORWARD-CARGO		AIR	11.8196	20.7475	200	.50763	65 1198	52652000
MICRO	AUXILIARY-POWER-UNIT		AIR	13.4843	52.4501	144	.67416	65 1227	52654000
MICRO	DOOR. HYDRAULIC. FORWARD-CARGO		AIR	16.9971	29.8359	408	.353	63 1114	52654000
MICRO			AIR GND	14.0246	21.0409		4.05	58 212	52659000
MICRO	DOOR. HYDRAULIC. FORWARD-CARGO		AIR	21.2332	34.9525	250	.375	63 1114	52662000
MICRO	DOOR. HYDRAULIC. FORWARD-CARGO		AIR	28.3085	41.9475	250	.4239	63 1198	52662000
MICRO			AIR GND	33				61 212	52664000
MICRO	CONTROL. ELEVATOR. TRIM-TAB-ASSEMBLY		AIR	60.1529	86.4827	200	.23274	65 1198	52664000
MICRO	CONTROL. ELEVATOR. TRIM-TAB-ASSEMBLY		AIR	60.4026	95.3422	100	.149	63 1114	52664000
MICRO	CONTROL. ELEVATOR. TRIM-TAB-ASSEMBLY		AIR	64.8737	97.8895	100	.16956	63 1198	52670000
MICRO	CONTROL. ELEVATOR. TRIM-TAB-ASSEMBLY		AIR	68.1818	101.081	204	.176	63 1114	52672000
MICRO	CONTROL. ELEVATOR. TRIM-TAB-ASSEMBLY		AIR	74.8561	102.05	100	.25382	65 1198	52674000
MICRO	WARNING. DOOR. ELECTRIC.		AIR	77.3395	122.076	100	.11837	65 1198	52676000
	GAS-TURBINE-COMPRESSOR-INTAKE								
MICRO			GRD	105.485	410.305	726	.00948	61 1049	52678000
MICRO			GRD	105.708	411.173	750	.00948	62 1159	52680000
MICRO			GRD	132.824	543.284	750	.00716	62 1159	52682000
MICRO			MSL	142.247	553.3	605	.00703	61 1049	52684000
MICRO			GRD	250	665.287		.008	57 212	52684000
MICRO			GRD	263				57 211	52686000
MICRO			GRD	731.528	1127.04	1100	.01347	63 1198	52688000
MICRO	(RV-1. RC-211)		SLIM SAT	683.264	3		.00337	65 1184	52692000
MICRO	AUXILIARY-POWER-UNIT		AIR	0	55.9834	74	.00113	64 1250	52692000
MICRO	AUXILIARY-POWER-UNIT		AIR	0	55.9834	74	.00113	64 1250	52694000
MICRO	AUXILIARY-POWER-UNIT		AIR GND	0	55.9834	74	.00113	64 1250	52696000
MICRO			AIR	0	55.9834	74	.00113	59 212	52698000
MICRO			AIR	6.7	19.1883		.120	57 211	52702000
MICRO	(PER-CONTACT)-SET		LAR	10				63 1138	52704000
MICRO			AIR	10				61 1048	52706000
MICRO	LAHOING-GEAR. NOISE		AIR	0	27.1997	50	.00478	63 1198	52708000
MICRO	ENGINE-CONTROLS		AIR	0	6.7692	200	.00912	63 1198	52710000
MICRO									

PSYCHOLOGICAL PART FAILURE RATE DATA JANUARY 1965

FORM CLASS	743 SWITCHES, ELECTRICAL	FORM DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER TO CORP. LIMIT	PART CATEGORY	VR	DATA INDEX	CRCS
DO	N.C.									
WALL TO		ENGINE CONTROLS	AIR	8.59328	17.1727	460		65	1198	52712000
WALL TO		ENGINE CONTROLS	AIR	16.129	62.727	272		63	1114	52714000
WALL TO		ENGINE CONTROLS	AIR	31.516	44.2283	200		65	1198	52714000
WALL TO		ENGINE CONTROLS	AIR	33.9943	50.3726	400		63	1114	52718000
WALL TO		ENGINE CONTROLS	AIR	0	46.5734	96		65	1227	52720000
WALL TO		ENGINE CONTROLS	AIR	58.6263	97.1742	152		64	1250	52722000
WALL TO		ENGINE CONTROLS	AIR	809	1109			65	2364	52724000
WALL TO		ENGINE CONTROLS	AIR	1609				64	2364	52726000
WALL TO		ENGINE CONTROLS	AIR	2709				64	2362	52728000
WALL TO		ENGINE CONTROLS	AIR	409				64	2362	52730000
WALL TO		ENGINE CONTROLS	AIR	609				64	2361	52732000
WALL TO		ENGINE CONTROLS	AIR	809				64	2361	52734000
WALL TO		ENGINE CONTROLS	AIR	1009				65	2362	52736000
WALL TO		ENGINE CONTROLS	AIR	1109				64	2362	52738000
WALL TO		ENGINE CONTROLS	AIR	1209				64	2362	52740000
WALL TO		ENGINE CONTROLS	AIR	1309				64	2361	52742000
WALL TO		ENGINE CONTROLS	AIR	1409				64	2362	52744000
WALL TO		ENGINE CONTROLS	AIR	1509				64	2362	52746000
WALL TO		ENGINE CONTROLS	AIR	1609				64	2361	52748000
WALL TO		ENGINE CONTROLS	AIR	1709				64	2362	52750000
WALL TO		ENGINE CONTROLS	AIR	1809				64	2361	52752000
WALL TO		ENGINE CONTROLS	AIR	1909				64	2361	52754000
WALL TO		ENGINE CONTROLS	AIR	2009				64	2361	52756000
WALL TO		ENGINE CONTROLS	AIR	2109				64	2361	52758000
WALL TO		ENGINE CONTROLS	AIR	2209				64	2361	52760000
WALL TO		ENGINE CONTROLS	AIR	2309				64	2361	52762000
WALL TO		ENGINE CONTROLS	AIR	2409				64	2361	52764000
WALL TO		ENGINE CONTROLS	AIR	2509				64	2361	52766000
WALL TO		ENGINE CONTROLS	AIR	2609				64	2361	52768000
WALL TO		ENGINE CONTROLS	AIR	2709				64	2361	52770000
WALL TO		ENGINE CONTROLS	AIR	2809				64	2361	52772000
WALL TO		ENGINE CONTROLS	AIR	2909				64	2361	52774000
WALL TO		ENGINE CONTROLS	AIR	3009				64	2361	52776000
WALL TO		ENGINE CONTROLS	AIR	3109				64	2361	52778000
WALL TO		ENGINE CONTROLS	AIR	3209				64	2361	52780000
WALL TO		ENGINE CONTROLS	AIR	3309				64	2361	52782000
WALL TO		ENGINE CONTROLS	AIR	3409				64	2361	52784000
WALL TO		ENGINE CONTROLS	AIR	3509				64	2361	52786000
WALL TO		ENGINE CONTROLS	AIR	3609				64	2361	52788000
WALL TO		ENGINE CONTROLS	AIR	3709				64	2361	52790000
WALL TO		ENGINE CONTROLS	AIR	3809				64	2361	52792000
WALL TO		ENGINE CONTROLS	AIR	3909				64	2361	52794000
WALL TO		ENGINE CONTROLS	AIR	4009				64	2361	52796000
WALL TO		ENGINE CONTROLS	AIR	4109				64	2361	52798000
WALL TO		ENGINE CONTROLS	AIR	4209				64	2361	52800000
WALL TO		ENGINE CONTROLS	AIR	4309				64	2361	52802000
WALL TO		ENGINE CONTROLS	AIR	4409				64	2361	52804000

HOME AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.  
SECTION I: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA RPT	CROSS DATA TUBE
PART DESCRIPTION									
.00 M.O.C.									
PLUNGER		FUEL-DE-ICE-HEATER	AIR	43.4782	74.3195	138	59 1070	52000000	
PNEUMATIC		NACELLE-PREHEAT	AIR	0	23.2868	192	63 1227	52000000	
PNEUMATIC		NACELLE-PREHEAT	AIR	0	13.8975	304	64 1250	52004000	
PNEUMATIC		ENGINE/NACELLE-ANTI-ICE	AIR	0	23.2868	192	63 1227	52004000	
PNEUMATIC		ENGINE/NACELLE-ANTI-ICE	AIR	20.2265	53.8258	192	65 1227	52000000	
PNEUMATIC		FUEL-DE-ICE-HEATER	AIR	24.3161	68.593	304	66 1250	52000000	
PNEUMATIC		VHF-NAVIGATION-SYSTEM-AM-ARM-14	AIR	79.0273	115.245	304	66 1250	52000000	
POINTER		VHF-NAVIGATION-SYSTEM-AM-ARM-14	AIR	0	18.1435	50	63 1198	52014000	
POINTER		VHF-NAVIGATION-SYSTEM-AM-ARM-14	AIR	23.5904	62.7777	50	63 1198	52014000	
POINTER		VHF-NAVIGATION-SYSTEM-AM-ARM-14	AIR	26.6666	70.964	50	63 1114	52014000	
POSITION		TAB-AILERON-CONTROL-SYSTEM	AIR	0	6.59562	303	65 1198	52000000	
POSITION		TAB-AILERON-CONTROL-SYSTEM	AIR	0	27.9917	132	66 1250	52020000	
POSITION		HAND-FLAP-SPOILER-SYSTEM	AIR	0	46.5736	96	65 1227	52000000	
POSITION		WING-FLAP-SYSTEM	AIR	24.3131	64.7809	132	66 1250	52020000	
POSITION		WING-FLAP-SYSTEM	AIR	40.453	137.35	48	65 1227	52020000	
POSITION		THRUST-VECTOR-ACTUATOR (YAW)	AIR	48.6263	129.401	76	66 1250	52030000	
POSITION		HYDRAULIC-CONTROL-SYSTEM	GRD	434.782	1691.17		62 1135	52032000	
POSITION		THRUST-VECTOR-ACTUATOR (PITCH)	GRD	1739.13	3475.45		62 1135	52034000	
HYDRAULIC-CONTROL-SYSTEM									
POSITION, HANDLE		WING-SPOILER-SYSTEM	AIR	0	46.5736	96	65 1227	52014000	
POSITION, MAIN-LANDING-GEAR		ASN-54	AIR	0	48.2219	124	63 1111	52014000	
POWER			AIR	0	401.149		65 1188	52041000	
POWER			LAB	192.905	594.755	4	64 1137	52041000	
POWER			LAB	250	972.425	4	63 1119	52041000	
POWER-CHANGEOVER		ELECTRICAL	LAB	1687.76C	3372.8C	65	61 2600	52041000	
POWER-CHANGEOVER		ELECTRICAL	LAB	8750C	14713.6C	18	61 2600	52041000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	0	1151.3C		65 1207	52050000	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	10964.7		65 1207	52052000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	0	9210.4		64 1171	52054100	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	10964.7		64 1171	52054000	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	3713.87		64 1171	52054000	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	4632		65 1207	52060000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	0	4639.18		64 1171	52062000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	5000C	19446.5C		65 1207	52064000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	396.059C	791.44C		64 1163	52066000	
POWER-CHANGEOVER		GRD-DC-POWER	GRD	0	10964.7		65 1207	52052000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	0	9210.4		64 1171	52054100	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	10964.7		64 1171	52054000	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	3713.87		64 1171	52054000	
POWER-CHANGEOVER		MAIN-DC-POWER	GRD	0	4632		65 1207	52060000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	0	4639.18		64 1171	52062000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	5000C	19446.5C		65 1207	52064000	
POWER-CHANGEOVER		TELEMETRY-DC	GRD	396.059C	791.44C		64 1163	52066000	
POWER-CHANGEOVER		GRD-DC-POWER	GRD	0	10964.7		65 1207	52052000	





COMP AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION - FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	191 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF RPT	CROSS INDEX
PART DESCRIPTION									
00 N.O.C.									
PRESSURE	FUEL-FILTER	FUEL-FILTER	AIR	47.4758	65.2959	405	37914	65	1201 52956000
PRESSURE	INLET-FUEL-SYSTEM		AIR	46.6372	78.9951	304	1645	66	1250 52956000A
PRESSURE	FUEL		AIR	52.6315	117.207		.097	61	1084 52960000
PRESSURE	FUEL-FILTER		AIR	56.7536	220.754	64	.01762	65	1201 52960000
PRESSURE	RADAR-PRES-SYSTEM-SA-377U		AIR	66.6666	259.313	68	.015	63	1114 52964000
PRESSURE	HYDRAULIC-POWER-SUPPLY		AIR	74.3852	103.29	946	.22854	65	1228 52966000
PRESSURE	AIR-CONDITIONING-CABIN		AIR	82.1355	144.176		.597305	64	1243 52968000
PRESSURE	OXYGEN-SYSTEM		AIR	83.3487	131.561	63	.10798	65	1155 52970000
PRESSURE	FUEL		AIR	84.3554	100.888		.652	61	1083 52972000
PRESSURE	PITOT-STATIC-SYSTEM		AIR	86.851	105.964	597	.51789	67	1272 52974000
PRESSURE	HYDRAULIC-POWER-SUPPLY		AIR	87.3637	103.52	600	.69823	65	1198 52976000
PRESSURE	HYDRAULIC-POWER-SUPPLY		GRD	96.1558	374.009	900	.0104	62	1159 52978000A
PRESSURE	HYDRAULIC-POWER-SUPPLY		AIR	109.002	125.995	300	.26145	65	1198 52980000
PRESSURE	FUEL-BOOST-MIL-F-8612		AIR	109.64	130.497	612	.529	63	1114 52982000
PRESSURE	HYDRAULIC-POWER-SUPPLY		HELL	133.333	266.451	120	.03	65	1215 52984000
PRESSURE	HYDRAULIC-POWER-SUPPLY		AIR	136.892	180.148	812	.11532	64	1179 52986000
PRESSURE	PITOT-STATIC-SYSTEM		AIR	140.019	196.478	473	.11427	65	1228 52988000
PRESSURE	ENGINE-PUMP-MO-1-HYDRAULIC-SYSTEM		AIR	141.583	238.084	96	.04944	65	1227 52990000
PRESSURE	SUCTION-LINE-MO-2-HYDRAULIC-SYSTEM		AIR	145.878	256.028	76	.04113	66	1250 52992000A
PRESSURE	POWER-AILERON-CONTROL-SYSTEM		AIR	151.699	215.335	197	.09888	65	1227 52994000
PRESSURE	SUCTION-LINE-MO-1-HYDRAULIC-SYSTEM		AIR	161.812	323.363	48	.02472	65	1227 52996000
PRESSURE	HYDRAULIC-POWER-SUPPLY		AIR	193.979	230.879	200	.299	63	1114 52998000
PRESSURE	HYDRAULIC-POWER-SUPPLY		AIR	194.621	229.064	200	.33912	63	1198 53000000
PRESSURE	SUCTION-LINE-MO-1-HYDRAULIC-SYSTEM		AIR	206.661	286.969	152	.04226	66	1250 53002000A
PRESSURE	POWER-UNIT-BUDDEN-CONTROL-SYSTEM		AIR	212.378	285.035	192	.09888	65	1227 53004000
PRESSURE	PITOT-STATIC-SYSTEM		AIR	219.561	321.518	406	.08766	64	1179 53006000
PRESSURE	TURBET-PHEU-SYSTEM		AIR	250	556.713	31	.012	63	1111 53008000
PRESSURE	RADAR-PRES-SYSTEM-SA-377U		AIR	257.798	526.252	100	.11627	65	1198 53010000
PRESSURE	INDICATOR		AIR	263.157	344.328	248	.095	63	1111 53012000
PRESSURE	INLET-FUEL-SYSTEM		AIR	283.171	364.886	192	.09888	65	1227 53014000
PRESSURE	INDICATOR-BYPASS-PROPULSION		AIR	306.278	612.062	86	.01306	64	1240 53016000A
PRESSURE	SUCTION-LINE-MO-2-HYDRAULIC-SYSTEM		AIR	323.824	525.675	48	.02472	65	1227 53018000
PRESSURE	RADAR-PRES-SYSTEM		AIR	342.061	438.765	50	.08479	62	1198 53020000
PRESSURE	RADAR-PRES-SYSTEM		AIR	373.333	481.066	50	.075	63	1114 53022000
PRESSURE	CONTROL-THRUST-REVERSE		AIR	384.304	477.212	192	.09888	65	1227 53024000
PRESSURE	P/A-STARTER		AIR	400	1064.46	16	.005	59	1180 53026000
PRESSURE	RADAR-PRES-SYSTEM-SA-377U		GRD	456.204	846.231	726	.01096	61	1089 53028000A
PRESSURE	BOMB-NAVIGATION-SYSTEM		AIR	504.294	595.087	50	.12691	65	1198 53030000
PRESSURE	INFRARED-SEARCH-AND-TRACK		AIR	583.333	838.666	62	.024	63	1111 53032000
PRESSURE	RADAR-PRES-SYSTEM-SA-377U		AIR	632				66	2006 53034000
PRESSURE	FUEL-SUPPLY-LINE-MAIN-ENGINE		AIR	659.09	784.465	102	.088	63	1114 53036000
PRESSURE	ENGINE-FUEL-SYSTEM		AIR	680	774.676		.15	63	1123 53038000
PRESSURE			GRD	714.285	277.35	150	.0014	62	1159 53040000A
PRESSURE			AIR	759.069	942.603	192	.09006	66	1225 53042000
PRESSURE			GRD	913.242	2490.27	34	.06219	62	1113 53044000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 7 1968

PART CLASS 791 SWITCHES, ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

00 N.O.C.

ENVIRONMENT RATE FAILURE UPPER PART PARY YR CROSS  
OF DATA INDIC  
NPT SACT REF NO

PRESSURE	FUEL-FLOW-EQUALIZER	GRD	913-242	2430-27					62 213	53046000
PRESSURE	CONSTANT-SPEED-DRIVE	AIR	914-285	1158-36	320				61 1080	53048000A
PRESSURE		AIR	971-428	1271-81	320				61 1080	53048000A
PRESSURE	WARNING-AIR-SPEED-ALTITUDE	GRD	1125	1775-75					63 2240	53052000
PRESSURE	INFRARED-SEARCH-AND-TRACK	AIR	1330-39	1397-64	597				67 1272	53054000
PRESSURE	NO-3-HYDRAULIC-SYSTEM	AIR	1404						66 2006	53058000
PRESSURE	NO-3-HYDRAULIC-SYSTEM	AIR	2631-31	2773-51	76				66 1250	53058000A
PRESSURE	RAIN-NEPELLANT-SYSTEM	AIR	2629-44	3098-78	48				65 1227	53060000
PRESSURE	POWER-AILERON-CONTROL-SYSTEM	GRD	4651-160	8164-41C					66 2211	53062000
PRESSURE	POWER-UNIT-ROUDDER-CONTROL-SYSTEM	AIR	0-212	55-9834	76				66 1250	53064000
PRESSURE	INSTRUMENT-COOL	AIR	267-477	326-945	304				66 1250	53066000
PRESSURE	INSTRUMENT-COOL	MSL	25000	97242-5	73				66 1250	53068000
PRESSURE	INSTRUMENT-COOL	GRD	4333-30	63193-1C	12				63 1106	53070000A
PRESSURE	INSTRUMENT-COOL	MSL	100000	368970	24				66 1245	53072000A
PRESSURE	INSTRUMENT-COOL	GRD		230260	6				63 1106	53074000A
PRESSURE	INSTRUMENT-COOL	GRD							66 1245	53076000A
PRESSURE	WARNING-LANDING-GEAR	AIR		95-9416	62				63 1111	53078000
PRESSURE	FLIGHT-CONTROL-SYSTEM	AIR	11 5054	20-3365	597				67 1272	53080000
PRESSURE	FLIGHT-CONTROL-SYSTEM	GRD	379-746	845-67					62 1135	53082000
PRESSURE	FLIGHT-CONTROL-SYSTEM	AIR	23						57 211	53084000
PRESSURE	FLIGHT-CONTROL-SYSTEM	AIR	323-624	410-019	192				65 1227	53086000
PRESSURE	ENGINE-COMPRESSORS	AIR		41-8654	320				61 1080	53088000A
PRESSURE	AIR-CONDITIONED-FLIGHT-DECK	AIR		19-7868	100				65 1196	53090000
PRESSURE	AIR-CONDITIONED-FLIGHT-DECK	AIR		18-1435	50				65 1198	53092000
PRESSURE	TRANSMITTER-ALTOB	AIR		142-847	31				63 1117	53094000
PRESSURE	AIR-CONDITIONED-FLIGHT-DECK	AIR		27-1597	50				65 1198	53096000
PRESSURE	FUEL-SYSTEM	AIR	54-7412	86-3586	304				66 1250	53098000A
PRESSURE	TAIL-DUCT-VENTURURICE/RAIN-PROTECTION	AIR	72-9394	93-5599					65 1196	53100000
PRESSURE	FUEL-SYSTEM	AIR	80-9061	131-418	192				65 1227	53102000
PRESSURE	AIR-BRAKE-VALVE	HELI	252-336	326-721	151				65 1234	53104000A
PRESSURE	FUEL-SYSTEM	AIR		192-847	31				63 1121	53106000
PRESSURE	FUEL-SYSTEM	AIR		1477160					63 2231	53108000
PRESSURE	ENGINE	HELI	000103						63 2231	53110000
PRESSURE	ENGINE	HELI	28-5087	112-419	40				66 1257	53112000
PRESSURE	ENGINE	HELI	78-9265	307	40				66 1257	53114000
PRESSURE	ENGINE	HELI	185-185	720-314	20				66 1257	53116000
PRESSURE	ENGINE	HELI	185-185	720-314	20				66 1257	53118000
PRESSURE	ENGINE-CUTOFF	GRD	769-230	2992-070	42				66 1245	53120000A
PRESSURE	ENGINE-CUTOFF	GRD	272-720	4215-770	47				66 1245	53122000A
PRESSURE	ENGINE-CUTOFF	GRD	25000	6652-870	22				66 1245	53124000A
PRESSURE	ENGINE-CUTOFF	AIR	15-8786	25-0635	500				66 1277	53126000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MEMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 291 SWITCHES ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER PART YR CROSS  
90 CONF POPU- OF DATA INDEX  
LIMIT LATION RPT SRCE REF NO

.00 N.O.C.

PRESSURE-HIGH-3100PSI

PRESSURE-HYDRAULIC WARNING  
ENGINE

20357.1C 24287.5C 73 .00255 46 1242 23128000A

5 32.8942 640 .07 61 1080 53130000A

10.8695 42.7793 320 .092 39 1116 53132000

28.9017 112.419 40 .0346 46 1257 53134000

52.6315 117.207 .057 61 1084 53134000

147.239 172.068 .199 61 1083 53130000

163.265 229.097 .098 61 1082 53140000

233.644 281.96 302 .214 66 1234 53147000A

286.288 365.25 640 .111 61 1090 53144000A

333.333 742.311 32 .009 59 1116 53146000

567.647 481.963 40 .0136 66 1237 53148000

800 1598.71 16 .005 59 1110 53150000

1105.99 1638.83 40 .01083 66 1257 23152000

4347.82 6698.54 .0023 62 1135 53154000

333.333C 887.05C 8 .006C 66 2340 53150000A

107.173 121.423 1144 1.0357 67 1272 53160000A

16.129 62.737 272 .062 63 1114 53162000

123.454 152.976 400 .00258 65 1198 23164000

124.645 192.358 408 .353 63 1114 53156000

128.646 150.801 200 .50763 65 1196 53168000

368.601 414.35 200 .33912 63 1198 53170000

387.959 438.322 200 .299 63 1114 53172000

133.738 178.238 504 .1645 66 1250 53174000A

258.333 295.727 186 .072 63 1111 53176000

515.776 621.247 192 .09888 65 1227 53178000

24.3131 94.5708 74 .04113 66 1250 53180000A

40.453 157.35 48 .02472 65 1227 53182000

21.4832 23.0984 500 .56558 65 1198 53184000

31.1614 47.0202 408 .333 63 1114 53186000

32.259 89.8435 272 .042 63 1114 53188000

41.3687 55.5213 200 .50763 65 1198 53190000

215.263 291.285 200 .33912 63 1198 53192000

220.735 259.801 200 .299 63 1114 53194000

279.281 328.203 448 .23927 66 1234 53196000

416.66C 7728.91C 30 .0012C 66 1245 53198000A

24.3131 94.5708 74 .04113 66 1250 53200000A

40.453 157.35 48 .02472 65 1227 53202000

111.111 432.188 32 .009 59 1116 53204000

153.333 354.82 68 .015 63 1114 53206000

163.636 258.29 320 .053 61 1080 53208000

214.832 281.696 100 .11627 65 1198 53210000

163.636 258.29 320 .053 61 1080 53208000

214.832 281.696 100 .11627 65 1198 53210000

# BOEING AIR DEVELOPMENT CENTER, CHICAGO, ILL. 60646 SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS 791 SWITCHES, ELECTRICAL

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART NUMBER	YR DATA	CROSS REF
DO N.O.C.							
PRESSURE-OIL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	250	553.104	102	63 1114	53212000
PRESSURE-OIL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	253.333	345.347	50	63 1114	53214000
PRESSURE-OIL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	259.495	345.039	50	63 1198	53216000
PRESSURE-OIL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	330.943	404.496	50	63 1198	53218000
PRESSURE-OIL	DIFFERENTIAL-TRANSMISSION	HELI	336.448	420.355	151	64 1234	53220000
PRESSURE-OIL	HYDROGEN-AND-OXYGEN-SYSTEM-MODULES	AIR	992.753	1110.52	8	59 1070	53222000
PRESSURE-OIL	ZONE-2-COOLING	LAB	0	383.766	8	66 2340	53224000
PRESSURE-OIL	ZONE-2-COOLING	AIR	0	383.766	8	64 1264	53226000
PRESSURE-OIL	ZONE-2-COOLING	AIR	18.237	40.4127	304	64 1250	53230000
PRESSURE-OIL	ZONE-2-COOLING	AIR	207.207	274.354	640	61 1080	53232000
PRESSURE-OIL	ZONE-2-COOLING	AIR	337.142	462.478	640	61 1082	53234000
PRESSURE-OIL	ZONE-2-COOLING	AIR	612.557	1224.12	43	64 1240	53236000
CLOSED							
PRESSURE-SENSING	CARGO-COMPARTMENT-OXYGEN-SYSTEM	AIR	72.5394	162.431	76	64 1250	53238000
PRESSURE-SENSING	C/C-OXYGEN-SYSTEM	AIR	121.859	270.258	48	65 1227	53240000
PRESSURE-SENSING	COCRIPIT	AIR	142.857	264.991	320	61 1080	53242000
PRESSURE-SENSING	COCRIPIT	AIR	27.0221	38.8653	197	67 1272	53244000
PRESSURE-SENSING	COCRIPIT	GRD	140000	22220.95	14	66 1242	53246000
PRESSURE-SENSING	COCRIPIT	GRD	112900	17757.95	14	66 1245	53248000
PRESSURE-SENSING	COCRIPIT	HELI	443.925	508.162	362	64 1234	53250000
PRESSURE-SENSING	COCRIPIT	AIR	32.258	55.8435	272	63 1114	53252000
PRESSURE-SENSING	COCRIPIT	AIR	36.3214	50.7134	400	65 1198	53254000
PRESSURE-SENSING	COCRIPIT	AIR	65.1558	86.2699	408	63 1114	53256000
PRESSURE-SENSING	COCRIPIT	AIR	64.735	117.263	408	63 1123	53258000
PRESSURE-SENSING	COCRIPIT	AIR	76.8276	95.1265	200	65 1198	53260000
PRESSURE-SENSING	COCRIPIT	AIR	167.224	201.804	200	63 1114	53262000
PRESSURE-SENSING	COCRIPIT	AIR	171.03	203.565	200	63 1198	53264000
PRESSURE-SENSING	COCRIPIT	AIR	1208.92	1414.92	473	65 1228	53266000
PRESSURE-SENSING	COCRIPIT	AIR	1711.12	1904.47	406	64 1174	53268000
PRESSURE-SENSING	COCRIPIT	AIR	250	777.94	10	59 1110	53270000
PRESSURE-SENSING	COCRIPIT	GRD	4615.320	8101.610	25	66 1245	53272000
PRESSURE-SENSING	COCRIPIT	AIR	41P			65 2590	53274000
PRESSURE-SENSING	COCRIPIT	AIR	1.01P			65 2590	53276000
PRESSURE-SENSING	COCRIPIT	AIR	1.55P			65 2590	53278000
PRESSURE-SENSING	COCRIPIT	AIR	.1P			65 2590	53280000
PRESSURE-SENSING	COCRIPIT	AIR	.9F			65 2590	53282000



MEMBER WITH BRAC PARTY RAILROAD DATE DATA JANUARY 1945

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 751 SWITCHES, ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

500 N.O.C.

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
RESET	AMPLIFIER-REFUELING-SYSTEM	AIR	0	192.047	31	-0.1194	63	1111 53436000
RESET	PITCH-TRIM-ACTUATOR	AIR	0	93.1472	48	-0.2472	65	1227 53439000
RESET	WING-SPOILER-SYSTEM	AIR	0	46.5736	96	-0.4944	65	1227 53440000
RESET	ASYMMETRY-WING-FLAP-SYSTEM	AIR	0	93.1472	48	-0.2472	65	1227 53441000
RESET	PITCH-TRIM-ACTUATOR	AIR	0	55.9834	76	-0.4113	66	1250 53442000
RESET	WING-SPOILER-SYSTEM	AIR	0	27.9917	152	-0.8226	66	1250 53443000
RESET	ASYMMETRY-WING-FLAP-SYSTEM	AIR	0	55.9834	76	-0.4113	66	1250 53444000
RF	TACAN-RADIO-AN/ARN-21C	AIR	12.1565	47.2054	152	-0.8226	66	1250 53445000
RF	TACAN-RADIO-AN/ARN-21C	AIR	45.453	107.651	96	-0.4944	66	1250 53450000
RF	TACAN-RADIO-AN/ARN-25	AIR	277.531	256.105	473	-1.1427	65	1228 53451000
RF	AN/ARC-34X-UHF-COMMUNICATION	AIR	342.231	437.007	406	-0.8766	64	1179 53456000
RF	AN/ARC-34X-UHF-COMMUNICATION	AIR	358.799	441.848	473	-1.1427	65	1228 53459000
RF	TACAN-RADIO-AN/ARN-25	AIR	382.32	419.546	597	-1.1789	67	1272 53460000
RF	TACAN-RADIO-AN/ARN-25	AIR	410.677	513.076	406	-0.8766	64	1179 53461000
RF	AN/ARC-34X-UHF-COMMUNICATION	AIR	498.175	440.321	597	-1.1789	67	1272 53462000
RF	UHF-COMMUNICATION-SYSTEM-AN/ARC-90	AIR	4.453	107.651	96	-0.4944	65	1227 53466000
RF	UHF-COMMUNICATION-SYSTEM-AN/ARC-90	AIR	54.6263	97.1747	152	-0.8226	66	1250 53470000
RF		LAB	0	104.19	42	-0.221	66	1233 53470000
RF		LAB	0	76.7021	6	-0.302	66	1269 53472000
RF		LAB	0	92.104	27	-0.25	65	1224 53474000
RF		LAB	0	19.85	32	-1.16	65	1217 53476000
ROTARY		SIM AIR	0	41.5182	92	-0.2516	65	1195 53478000
ROTARY		GRD	0	79.4	27	-0.29	65	1193 53480000
ROTARY		GRD	0	150.594	3	-0.1529	65	1189 53482000
ROTARY		SIM AIR	0	191.883		-0.12	63	1103 53484000
ROTARY		AIR	0	67.7235		-0.34	63	1124 53486000
ROTARY		GRD	0	1023.37	152	-0.0225	62	1159 53490000
ROTARY	(STRESS-RATIO=1)	LAB	0	249.735	18	-0.0922	64	1154 53490000
ROTARY		SIM AIR	0	549.546	8	-0.0419	64	1151 53492000
ROTARY		SIM GRD	0	54.8228		-0.42	63	1104 53494000
ROTARY		SIM AIR	0	138.961	16	-0.1637	64	1150 53496000
ROTARY		SIM AIR	0	36.5492		-0.63	63	1100 53498000
ROTARY	DIGITAL	GRD	0	5.29333		-435	59	2001 53500000
ROTARY		GRD	0	41.8654		-0.95	63	1100 53502000
ROTARY		LAB	0.01				62	2240 53504000
ROTARY	(STORAGE)	GRD	0.025				63	1098 53506000
ROTARY		MSL	0.1				65	2440 53508000
ROTARY	(CONTACT-SET)	GEN	0.13				U	2001 53510000
ROTARY	(PR-CONTACT-SET)	GEN	0.175				U	2001 53512000
ROTARY		LAB	0.18				63	1138 53514000
ROTARY		GEN	0.38				U	2001 53516000
ROTARY		LAB	1.48588	3.95416		1.346	66	1230 53518000
ROTARY		AIR	2.20959	2.71559		3.168	62	2240 53520000
ROTARY	CONTROL-FUEL-SYSTEM	AIR	2.21045	8.59792	834	-4524	66	1250 53522000
ROTARY		AIR GRD	3.47584	7.74047		-8631	66	216 53524000

ROME AIR DEVELOPMENT CENTER, CRIFEISS AFB, N.Y.  
SECTION 1  
PART CLASS 791 SWITCHES, ELECTRICAL  
FUNCTIONAL APPLICATION  
PART DESCRIPTION  
-OO N.O.C.

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	PART DESCRIPTION	UPPER 90 COMP LINTY	FAILURE RATE	ENVIRONMENT	PART TYPE POPPY LATHE	PART MARKS	YR DATA INDEX
PART DESCRIPTION									RPT SINCE REP HQ
ROTARY	CONTROL-FUEL-SYSTEM	AIR	3-67755	14-3643	328	.37192	65 1237	5540200	
ROTARY	CONTROL-FUEL-SYSTEM	AIR	7-81199	12-0355	1100	1-2001	65 1198	53231000	
ROTARY	CONTROL-FUEL-SYSTEM	AIR	7-87966	13-2501	350	.88834	65 1198	5352000	
ROTARY	(CONTACT-SET)	GEN	8				61 1000	53532000	
ROTARY	CONTROL-FUEL-SYSTEM	GEN	8				0 2601	53534000	
ROTARY	SYN-TST-TACHOMETER-ENGINE	AIR	8-09041	15-0076	714	.618	65 1114	53536000	
ROTARY		AIR	8-59328	15-4252	100	.11637	65 1198	53538000	
ROTARY		GEN	9				62 1078	53540000	
ROTARY	CONTROL-FUEL-SYSTEM	LAB	10-023	38-9866	34	.09977	64 1137	53542000	
ROTARY	CONTROL-FUEL-SYSTEM	AIR	10-3209	17-3553	400	.67823	63 1178	53544000	
ROTARY	CONTROL-FUEL-SYSTEM	AIR	11-6041	19-4509	400	.599	63 1114	53546000	
ROTARY		SIM AIR	11-9363	18-8408	3409	.754	63 1108	53548000	
ROTARY	RADAR	GRD	13			.072	U 2001	53550000	
ROTARY	DC-POWER-SUPPLY	AIR	15-7591	41-9375	50	.12691	65 1198	53552000	
ROTARY	BOMB-NAVIGATION	AIR	16			1-120	58 2001	53554000	
ROTARY	BOMB-NAVIGATION	AIR	17			.049	97 2001	53556000	
ROTARY	DC-POWER-SUPPLY	AIR	17-1805	45-736	100	.11637	45 1198	53558000	
ROTARY		AIR GND	17-6478	25-0793		.849	58 212	53560000	
ROTARY		AIR GND	20				58 212	53562000	
ROTARY	AUTO-FLIGHT-CONTROL	AIR	21			.3666	57 2001	53564000	
ROTARY	REMOTE/LOCAL-FUNCTION-CONTROL	GRD	21-0221	35-4465		.0454	65 1223	53566000	
ROTARY	DC-POWER-SUPPLY	AIR	22-0204	85-6762	360	.088	62 1095	53568000	
ROTARY		AIR	22-7272	40-4866	102	.208	63 1114	53570000	
ROTARY	FUEL-DISTRIBUTION	SIM AIR	24-0304	44-5829	1008	.298	63 1108	53572000	
ROTARY		AIR	26-0456	43-6063	775	.143	63 1111	53574000	
ROTARY	RADAR	AIR	27-2727	33-7686		.84	57 212	53576000	
ROTARY	WING-FLAP-ASYMMETRY	AIR	28-1293	74-8565	126	.0711	57 2001	53578000	
ROTARY		GEN	30			.238	U 2001	53580000	
ROTARY		GRD	32-6335	54-5995			61 2240	53582000	
ROTARY		AIR	34-1				54 211	53584000	
ROTARY		AIR	35-1				62 2240	53586000	
ROTARY	AC-POWER-SUPPLY	AIR	35-7142	130-917	7	.028	63 1102	53588000	
ROTARY		AIR	36-0917	48-4391	500	.58185	65 1198	53590000	
ROTARY	GENERAL	AIR GND	46-5114	21-6441		.129	61 1087	53592000	
ROTARY		AIR	49				57 2001	53594000	
ROTARY		AIR SHP GND	50				58 212	53596000	
ROTARY	AUTO-FLIGHT-CONTROL	AIR	62				57 2001	53598000	
ROTARY	AC-POWER-SUPPLY	AIR	62			.077	63 1114	53600000	
ROTARY	AC-POWER-SUPPLY	AIR	64-935	120-45	340	.12691	65 1198	53602000	
ROTARY	DC-POWER-SUPPLY	AIR	110-314	158-4	50	.08478	63 1198	53604000	
ROTARY	AC-POWER-SUPPLY	AIR	117-932	181-725	50	.068	63 1114	53606000	
ROTARY	DC-POWER-SUPPLY	AIR	125	185-615	102	.075	63 1114	53608000	
ROTARY	AC-POWER-SUPPLY	AIR	133-323	205-422	50	.075	63 1114	53610000	
ROTARY	AC-POWER-SUPPLY	AIR	160	237-087	50	.075	63 1114	53612000	



WOMI AIP DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

PART CLASS 701 SWITCHES, ELECTRICAL  
PART DESCRIPTION FUNCTIONAL APPLICATION

LOC N-000

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
ROTARY	AC-POWER-SUPPLY	AIR GND	200.519	279.439	20	-0.0478	63	1198 53616000
ROTARY		AIR GND	204.545	322.863	920	-0.04	65	1221 53618000
ROTARY		SUB	206.333	810.354	30	-0.046	65	1246 53620000
ROTARY		SUB	450.196	1908.71	9	-0.0204	64	1161 53627000A
ROTARY		GND	3067.48	5690	100	-0.0163	63	1159 53624000
ROTARY-ARMAMENT-SELECTION		AIR	86.0585	229.014		-0.2324	63	1123 53626000A
ROTARY-ARMAMENT-SELECTION		AIR		136.329		-0.1669	63	1123 53628000
MANUAL-STEP								
ROTARY-DETENT	(P/1000000) (RL-100K)	LAB	2.5				61	1026 53630000
ROTARY-DETENT	(P/1000000) (RL-100K)	LAB	25				61	1086 53632000
ROTARY-HAND-OPERATED	(STRESS-NATION-1)	SIM SHP		56.1609	114	-0.041	64	1145 53634000A
ROTARY-HAND-OPERATED	(P/R-CONTACT-SET)	LAB	-2				63	1127 53636000
ROTARY-HAND-OPERATED	(P/R-CONTACT-SET)	GND	-10358	1402894	1163	9.6544	65	1251 53640000
ROTARY-MIL-S-3766		GND	-075				65	1246 53642000
ROTARY-MODE		SUB	526.315	1400.6	30	-0.038	64	1161 53644000A
ROTARY-MODE		SUB	970.873	3776.4	9	-0.0163	61	1086 53646000
ROTARY-MODE		LAB	100				61	1086 53648000
ROTARY-NON-DETENT	(P/1000000) (RL-200K)	LAB		2.07497		1.1097	66	252 53650000A
ROTARY-NON-DETENT	(P/1000000) (RL-200K)	GND	31.4564	83.7102	8	-0.0358	64	1210 53652000
ROTARY-SOLENOID	(STORAGE)	GEM	5				62	1078 53654000
ROTARY-SOLENOID-DRIVEN		LAB		156.639	2	-0.147	65	1217 53656000A
ROTARY-SOLENOID-HELD	(77F)							
ROTARY-STEPPING-TELEPHONE	(77F)	LAB		343.671	2	-0.067	65	1217 53658000A
12-LEVEL-26-CONTACT/LEVEL								
8-LEVEL-11-CONTACT/LEVEL								
ROTARY-TELEPHONE-TYPE		GND	6.22169	11.4165	273	2.0677	64	1210 53660000
ROTARY-THUMB-WHEEL		GND	52.938	205.913	3	-0.1889	64	1210 53662000
ROTARY-1-POSITION-CHUTE	(77F)	LAB		343.671	2	-0.067	65	1217 53664000
ROTARY-1-POSITION	CABIN-AIR	AIR	72.7272	145.337	320	-0.055	61	1080 53666000A
ROTARY-1-POSITION		AIR	25	97.2425	360	-0.04	61	1080 53668000A
ROTARY-AND-LIVER		SHP	-38				62	2240 53670000
ROTARY-AND-TRIGG	(STORAGE)						66	2M1 53672000
ROTARY-SOLENOID		GND	23076.9	40508		-0.0028	64	1180 53674000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	130F				66	2364 53676000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	130P				66	2364 53678000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131A	AIR	150P				66	2362 53680000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	170P				66	2364 53682000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	190P				66	2364 53684000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131	AIR	220P				66	2364 53686000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131	AIR	230P				66	2362 53688000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131	AIR	230P				66	2364 53690000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	240P				66	2361 53692000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	240P				66	2362 53694000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	280P				65	2364 53696000
RUDDER-AIRSPED	FLIGHT-CONTROLS-707-131B	AIR	320P				55	3362 53698000

# HOME AIR DEVELOPMENT CENTER, CHIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## MECHANISTIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 791 SWITCHES, ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

-UO N.O.C.

RUDDER-AIR SPEED	FLIGHT-CONTROLS-707-331	340P	65	2362	53700000
RUDDER-AIR SPEED	FLIGHT-CONTROLS-707-131B	340P	66	2361	53702000
RUDDER-AIR SPEED	FLIGHT-CONTROLS-707-131	480P	66	2361	53704000
RUDDER-AIR SPEED	FLIGHT-CONTROLS-707-131	480P	66	2362	53706000
RUDDER-AIR SPEED	FLIGHT-CONTROLS-331C/373C	510P	66	2363	53708000
RUDDER-AIR SPEED	FLIGHT-CONTROLS-707-131	780P	65	2361	53710000
SAFETY	LANDING-GEAR	2C-8333	63	1111	53712 05
SAFETY	CONTROL-AIR-RELEASE-SYSTEM- LANDING-GEAR	22-8154	64	1179	53714000
SAFETY-CIL					
SECTOR		-464858	61	2237	53716000
SECTOR	AIR GND	5-81395	63	1096	53718000
SECTOR	GEN	8-247	62	1078	5372 009
SEGMENT	AIR GND	16-5102	65	216	53722000
SEGMENT	SIM AIR	92-6559	64	1150	53724000A
SELECTION	SIM AIR	1861.1	64	1151	53726100A
SELECTION	AIR	93-1472	65	1227	53728000
SELECTION	VOLT/FREQUENCY.				
SELECTION	AC-POWER-SYSTEM-INSTRUMENTATION				
SELECTION	TURN-ELEVATOR-ASSEMBLY	19-786H	65	1198	53730000
SELECTION	TURN-CONTROL-AUTOPILLOT-MA-2	152.84	63	1111	53732000
SELECTION	P-A-SYSTEM-AN/AIC-13	23-286H	65	1227	53734000
SELECTION	PHASE-AC-POWER-SYSTEM- INSTRUMENTATION	93-1472	65	1227	53736000
SELECTION	FEEL-ARTIFICIAL-ELEVATOR				
SELECTION	FEEL-ARTIFICIAL-ELEVATOR-ASSEMBLY	93-1472	65	1227	53738000
SELECTION	RUDDER-LIMIT-AUTOPILLOT-MA-2	55-9834	66	1250	53740000A
SELECTION	BRAKE-LANDING-GEAR	192.847	63	1111	53742000
SELECTION	VOLTAGE-DC-POWER-SYSTEM-INSTRUMENT VOLTAGE	93-1472	65	1227	53744000
SELECTION	VOLTAGE-DC-POWER-SYSTEM-INSTRUMENTATION	55-9834	66	1250	53746000A
SELECTION	VOLTAGE/FREQUENCY-AC-POWER-SYSTEM- INSTRUMENT	93-1472	65	1227	53748000
SELECTION	P-A-SYSTEM-AN/AIC-13	55-9834	66	1250	53750000A
SELECTION	CONTROL-AUTOPILLOT-SYSTEM	12-9975	65	1250	53752000A
SELECTION	WING-SPOLLER-SYSTEM	27-1597	63	1198	53754000
SELECTION	NORMAL-EMERGENCY-ELEVATOR	55-9834	66	1250	53756000
SELECTION	BRAKE-LANDING-GEAR	27-9917	66	1251	53758000
SELECTION	AUTOPILLOT-COMPUTER-AN/ASN-35	55-9834	66	1250	53760000A
SELECTION	ACCUMULATOR-AUXILIARY-POWER-UNIT	19-786H	65	1198	53762000
SELECTION	NORMAL-EMERGENCY-ELEVATOR	93-1472	65	1227	53764000
SELECTION	LOCK-HYDRAULIC-PILOT	46-5736	65	1227	53766000
SELECTION	ENGINE-INLET-FUEL-TEMPERATURE	55-9834	66	1250	53768000A
SELECTION	PICKUP-ENGINE-VIBRATION	55-9834	66	1250	53770000A
SELECTION	FILTR-ENGINE-VIBRATION	55-9834	66	1250	53772000A
SELECTION	BATTLE-FIRE-EXTINGUISHING-SYSTEM	55-9834	66	1250	53774000A
SELECTION	PICKUP-ENGINE-VIBRATION	27-9917	66	1250	53776000A
SELECTION		93-1472	65	1227	53778000

PART CLASS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
SELECTOR	BLEED-AIR-PNEUMATIC-SUPPLY	AIR	0	192.847	31	.01194	63	1111 53780000
SELECTOR	BOTTLE-FIRE-EXTINGUISHING-SYSTEM	AIR	0	46.5736	96	.04544	65	1227 53790000
SELECTOR		AIR	.4878050	1.897410	400	2.050	63	1213 53780000
SELECTOR	SINGLE-POINT-REFUELING	AIR	1.96986	5.24209	816	1.0153	65	1198 53780000
SELECTOR	SINGLE-POINT-REFUELING	AIR	2.83286	7.53866	900	.706	63	1114 53780000
SELECTOR	SINGLE-POINT-REFUELING	AIR	3.01934	7.63253	900	1.0473	65	1198 53780000
SELECTOR	SINGLE-POINT-REFUELING	AIR	5.89740	10.9396	500	.8479	63	1198 53790000
SELECTOR	SINGLE-POINT-REFUELING	AIR	6.87556	12.3827	500	.749	63	1114 53790000
SELECTOR	NAVIGATION-MODE-VHF-NAVIGATION-AN/APN-14	AIR	8.59328	22.868	200	.23274	65	1198 53790000
SELECTOR	PHASE-AC-POWER-SYSTEM-INSTRUMENT	AIR	24.3131	94.5708	76	.04113	66	1250 53790000
SELECTOR	WING-SPOILER-SYSTEM	AIR	40.453	157.35	48	.02472	65	1227 53800000
SELECTOR	MASTER-AIR-CONDITION	AIR	48.6263	125.401	76	.04113	66	1250 53800000
SELECTOR	ANTENNA-UHF-COMMUNICATION-SYSTEM-AN/ARC-34	AIR	66.6666	259.313	68	.015	63	1114 53800000
SELECTOR	NAVIGATION-AN/ARN-65	AIR	117.794	132.673	1194	1.0357	67	1272 53800000
SELECTOR	TACAN-RADIO-AN/ARN-25	AIR	140.019	177.398	946	.22854	65	1228 53800000
SELECTOR	TACAN-RADIO-AN/ARN-65	AIR	171.115	218.543	812	.17532	64	1179 53810000
SELECTOR	PETER	AIR	200	777.94	16	.005	59	1110 53810000
SELECTOR	FUEL-QUANTITY	HELL	280	351.07	120	.03	65	1215 53810000
SELECTOR	COMMAND-AUTOPILOT-MA-2	AIR	418.76	376.775	31	.01194	63	1111 53810000
SELECTOR	ANTENNA-AN/ARC-34X-UHF-COMMUNICATION	AIR	603.433	706.04	473	.1127	65	1228 53810000
SELECTOR	ANTENNA-AN/ARC-34X-UHF-COMMUNICATION	AIR	1140.77	1301.32	406	.08766	64	1179 53820000
SELECTOR	ANTENNA-AN/ARC-34X-UHF-COMMUNICATION	AIR	2915.67	3014.38	597	.51189	67	1272 53820000
SELECTOR	AN/ASN-24-NAVIGATION-COMPUTER	AIR	0	93.1472	48	.02472	65	1227 53820000
SELECTOR	AN/ASN-24-NAVIGATION-COMPUTER	AIR	0	55.9834	76	.04113	66	1250 53820000
SELECTOR	AN/ASN-24-NAVIGATION-COMPUTER	AIR	0	93.1472	48	.02472	65	1227 53820000
SELECTOR	AN/ASN-24-NAVIGATION-COMPUTER	AIR	0	55.9834	76	.04113	66	1250 53830000
SELECTOR	ENGINE-ASIN-54	AIR	0	401.149	0	.00574	65	1180 53830000
SELECTOR	ENGINE-INLET-FUEL-TEMPERATURE	AIR	0	53.1472	48	.02472	65	1227 53830000
SELECTOR	DECR-HYDRAULIC-PILOT	AIR	0	93.1472	48	.02472	65	1227 53830000
SELECTOR	FILTER-ENGINE-VIBRATION	AIR	0	93.1472	48	.02472	65	1227 53830000
SELECTOR	TACAN-AN/ARN-21-5A-521A	AIR	40	89.0773	50	.075	63	1114 53840000
SELECTOR	TACAN-AN/ARN-21-5A-521A	AIR	70.7714	124.228	50	.08478	63	1198 53840000
SELECTOR	ANTENNA-TACAN-AN/ARN-21	AIR	126.073	176.905	50	.12691	65	1198 53840000
SELECTOR	ANTENNA-TACAN-AN/ARN-21	AIR	155.09	228.727	102	.088	63	1114 53840000
SELECTOR	ANTENNA-TACAN-AN/ARN-21	AIR	636.363	797.664	320	.055	61	1080 53840000
SELECTOR	FULL-QUANTITY	AIR	0	93.1472	48	.02472	65	1227 53850000
SELECTOR	AIR-CONDITION	AIR	0	18.1435	50	.12691	65	1198 53850000
SELECTOR	AIR-CONDITION-FLIGHT-DECK	AIR	0	19.7868	100	.11637	65	1198 53850000
SELECTOR	AIR-CONDITION-FLIGHT-DECK	AIR	13.3333	51.8626	50	.075	63	1114 53850000
SELECTOR	AIR-CONDITION-FLIGHT-DECK	AIR	23.5904	62.7777	50	.08478	63	1198 53850000
SELECTOR	WINDSHIELD-WIPER-SYSTEM	AIR	0	19.7868	100	.11637	65	1198 53860000
SELECTOR	SELECTOR-ROTARY	GRD	.200749	.447056	1880	14.944	64	1210 53860000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS		751 SWITCHES, ELECTRICAL		NONELECTRONIC PART FAILURE RATE DATA				JANUARY 1960	
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA	CRPSS INDEX	REF NO
SELECTOR-ROTARY	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	11.3636	44.2011	102	.088	63	1114	53864000
SELECTOR-ROTARY	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	11.7952	45.8799	50	.08478	63	1198	53866000
SELECTOR-ROTARY	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	13.3393	51.8626	50	.075	63	1114	53863000
SELECTOR-ROTARY	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	15.7591	41.9375	50	.12691	65	1198	53870000
SELECTOR-ROTARY	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	34.3731	68.6908	100	.11637	65	1198	53872000
SELECTOR-ROTARY	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	66.6666	259.313	68	.015	63	1114	53874000
SELECTOR-POSITION	FUEL-QUANTITY	AIR	612.557	955	86	.01306	66	1240	53876000
SENSITIVE	(STORAGE)	AIR	4694.73	4542.91		.095	63	2120	53878000
SENSITIVE	MARKER-BEACON-RADIO-NAVIGATION (CONTACT-SET)	AIR		6.22492		.3895	66	252	53880000
SENSITIVE	(CONTACT-SET)	AIR		53.1472	48	.02472	65	1227	53882000
SENSITIVE	(CONTACT-SET)	AIR		762.45	4	.00302	65	1177	53884000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53886000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53888000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53890000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53892000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53894000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53896000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53898000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53900000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53902000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53904000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53906000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53908000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53910000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53912000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53914000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53916000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53918000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53920000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53922000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53924000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53926000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53928000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53930000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53932000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53934000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53936000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53938000
SENSITIVE	(CONTACT-SET)	AIR					U	2001	53940000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	301 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LOCATION	VR	DATA INDEX
PART DESCRIPTION								
000 N.O.C.								
SNAP-ACTION-M-HR05/2-1.		(400CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	49.2C			65	2750 53988000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	50.937C			65	2750 53990000A
SNAP-ACTION-M-HR05/2-1.		(300CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	54.624C			65	2750 53992000A
SNAP-ACTION-M-HR05/2-1.		(100CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	56.082C			65	2750 53994000A
SNAP-ACTION-M-HR05/2-1.		(400CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	60.951C			65	2750 53996000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	68.269C			65	2750 53998000A
SNAP-ACTION-M-HR05/2-1.		(100CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	76.561C			65	2750 54000000A
SNAP-ACTION-M-HR05/2-1.		(400CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	78.647C			65	2750 54002000A
SNAP-ACTION-M-HR05/2-1.		(400CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	120.555C			65	2750 54004000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	207.641C			65	2750 54006000A
SNAP-ACTION-M-HR05/2-1.		(170CPM-0.010-INCH-OVERTRAVEL)	LIFE LAB	5.735C			65	2740 54008000A
SNAP-ACTION-M-HR05/2-1.		(170CPM-0.005-INCH-OVERTRAVEL)	LIFE LAB	5.058C			65	2740 54010000A
SNAP-ACTION-M-HR05/2-1.		(130CPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	5.174C			65	2740 54012000A
SNAP-ACTION-M-HR05/2-1.		(170CPM-0.015-INCH-OVERTRAVEL)	LIFE LAB	6.947C			65	2740 54014000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	7.078C			65	2740 54016000A
SNAP-ACTION-M-HR05/2-1.		(400CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	7.585C			65	2740 54018000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	7.881C			65	2740 54020000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	9.257C			65	2740 54022000A
SNAP-ACTION-M-HR05/2-1.		(300CPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	10.425C			65	2740 54024000A
SNAP-ACTION-M-HR05/2-1.		(170CPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	15.3C			65	2740 54026000A
SNAP-ACTION-M-HR05/2-1.		(150CPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	27.625C			65	2740 54028000A
SNAP-ACTION-M-HR05/2-1.		(300CPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	32.407C			65	2740 54030000A
SNAP-ACTION-M-HR05/2-1.		(170CPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	56.129C			65	2740 54032000A

HOME AIR DEVELOPMENT CENTER, GRIFFISS AIR FLD., N. Y.  
SECTION 1 FAILURE RATE DATA

FAILURE RATE DATA

PART CLASS	TEST SWITCHES	ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 90 CONF LIMIT	PART POPULATION GROUP	IR OF DATA RPT SNCE REF NO	CLASS INDEX
000 N.O.C.								
SNAP-ACTION-SPOT-			(1500PPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	72.459C		65 2740	540340000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(3000PPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	72.86C		65 2740	540360000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(700PPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	107.677C		65 2740	540380000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(700PPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	136.37C		65 2740	540400000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1500PPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	145.012C		65 2740	540420000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(2000PPM-0.015-INCH-OVERTRAVEL)	LIFE ACC	160.953C		65 2740	540440000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(100PPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	198.099C		65 2740	540460000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1500PPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	205.592C		65 2740	540480000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1500PPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	205.854C		65 2740	540500000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1500PPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	245.66C		65 2740	540520000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1000PPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	250.501C		65 2740	540540000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1000PPM-0.010-INCH-OVERTRAVEL)	LIFE ACC	292.826C		65 2740	540560000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(700PPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	358.295C		65 2740	540580000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION-SPOT-			(1500PPM-0.005-INCH-OVERTRAVEL)	LIFE ACC	592.465C		65 2740	540600000A
SUBMINIATURE-5.AMP-250VAC								
SNAP-ACTION			(CALENDAR)	GRD	292.77C		64 2213	54042000
SNAP ACTION			(CALENDAR)	LAR	.688		65 1204	54064000
SNAP-ACTION			(CALENDAR)	GRD	1.214		65 1204	54066000
SNAP ACTION			(CALENDAR)	GRD	.337		63 1116	54068000
SNAP ACTION			(OPERATING)	GRD	.318		65 1204	54070000
SNAP ACTION			(CALENDAR)	GRD	.674		65 1204	54072000
SNAP-ACTION			(OPERATING)	GRD	7.557		65 1204	54074000
SNAP-ACTION			(OPERATING)	GRD	.528		63 1116	54076000
SNAP-ACTION			(OPERATING)	GRD	.018		65 1204	54078000
SNAP-ACTION			(OPERATING)	GRD	.019		65 1204	54080000
SNAP-ACTION			(CALENDAR)	GRD	.517975C		64 2213	54082000
SNAP-ACTION			(CALENDAR)	LAR	2		61 1086	54084000
SNAP-ACTION			(CALENDAR)	AIR	18.3		57 211	54086000
SNAP-ACTION			(CALENDAR)	LAR	20		61 1086	54088000
SNAP-ACTION			(CALENDAR)	AIR	120		57 211	54090000
SNAP-ACTION			(CALENDAR)	LIFE ACC	4.041C		65 2750	54092000A

LOCK AIR DEVELOPMENT CENTER, CRIPPS AFB, TEX.  
SECTION 1 FAILURE RATE DATA

### NEUROLOGIC PART FAILURE RATE DATA

100-427194-949

PART CLASS	701 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENTAL RATE	UPPER 90 COMP LIMIT	PART PARTY LATION	VR	CROSS OF DATA RPT SRC REF NO
000	M.O.C.						
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	4.89AC			65	2750 54094000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	6.18AC			65	2750 54094000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	6.54AC			65	2750 54094000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	9.65AC			65	2750 54100000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	11.62AC			65	2750 54100000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	12.86AC			65	2750 54104000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	13.78AC			65	2750 54106000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	14.73AC			65	2750 54108000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	14.12AC			65	2750 54100000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	18.78AC			65	2750 54112000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	20.24AC			65	2750 54114000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	20.27AC			65	2750 54116000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	20.44AC			65	2750 54118000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	20.44AC			65	2750 54120000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	20.59AC			65	2750 54122000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	20.88AC			65	2750 54124000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	21.03AC			65	2750 54126000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	21.79AC			65	2750 54128000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	22.27AC			65	2750 54130000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	23.20AC			65	2750 54132000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	400CPM-0.0075-INCH.OVERTRAVEL	LIFE ACC	24.62AC			65	2750 54134000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	25.69AC			65	2750 54136000A
5.AMP							
SNAP-ACTION-M-8805/2-1.	350CPM-0.005-INCH.OVERTRAVEL	LIFE ACC	26.24AC			65	2750 54138000A
5.AMP							



ROK AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 751 SWITCHES, ELECTRICAL

PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER  
90 CONF  
LIMIT

PART  
PARTU-  
LATION

PART  
HOURS

YR  
OF DATA  
RPT SRCE REF NO

CROSS  
INDEX

FAILURE  
RATE

ENVIRONMENT

100 N.O.C.

SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	28.763C	65	2750	54142000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	30.634C	65	2750	54142000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(300CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	31.599C	65	2750	54144000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	32.544C	65	2750	54143000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(300CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	33.634C	65	2750	54146000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	35.862C	65	2750	54150000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(300CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	36.757C	65	2750	54152000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	40.435C	65	2750	54154000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	43.169C	65	2750	54156000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	44.113C	65	2750	54153000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	45.998C	65	2750	54160000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(300CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	49.046C	65	2750	54162000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(300CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	49.208C	65	2750	54164000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	50.968C	65	2750	54166000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	55.472C	65	2750	54168000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	60.463C	65	2750	54170000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	61.512C	65	2750	54172000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	63.353C	65	2750	54174000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	67.833C	65	2750	54176000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	69.3C	65	2750	54178000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(350CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	69.92C	65	2750	54180000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(300CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	73.126C	65	2750	54182000A
SNAP-ACTION-M-8805/2-1. 5 AMP	(400CPM-0.0075-INCH-OVERTRAVEL)	LIFE ACC	74.388C	65	2750	54184000A

NAME AIR DEVELOPMENT CENTER, SNIPPLSS 184 N72  
SECTION 1 FAILURE RATE DATA

MODEL/SECTION PART - FAILURE RATE DATA

JANUARY 1969

PART CLASS	Y61 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 99 CONF LIMIT	PART FORM-LATION	PART NUMBER	Y61 DATA IMPROVEMENT RATE	CROSS REF NO
PART DESCRIPTION								
.00 N.O.C.								
SNAP-ACTION-M-8005/2-1.		(300CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	20.25C			65 2750	541200000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(350CPM-0.0075-INCH.OVERTRAVEL)	LIFE ACC	81.613C			65 2750	541000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(350CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	83.366C			65 2750	541000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(450CPM-0.0075-INCH.OVERTRAVEL)	LIFE ACC	86.783C			65 2750	541000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(300CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	94.375C			65 2750	541000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(350CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	97.22C			65 2750	541000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(350CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	132.485C			65 2750	541000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(300CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	140.43C			65 2750	542000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(400CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	175.07C			65 2750	542000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(400CPM-0.0075-INCH.OVERTRAVEL)	LIFE ACC	184.332C			65 2750	542000000
5 AMP								
SNAP-ACTION-M-8005/2-1.		(400CPM-0.005-INCH.OVERTRAVEL)	LIFE ACC	351.741C			65 2750	542000000
5 AMP								
SPOT			ATR	200	263-194	700	-12	61 1086 542000000
SPOT-28V-DC-2A			AIR	262.927	321.23	649	.07	61 1086 542100000
SPEED-FLYBALL			AIR	7.7				57 211 542100000
SPEED-SENSING		ENGINE-CONTROLS	AIR	1452.63	1624.28	400	.045	63 2120 542100000
SPEED-SENSING		ENGINE-CONTROLS	AIR	98.0046	75.1036	400	.46542	65 1198 542100000
SPEED-SENSING		ENGINE-CONTROLS	AIR	64.5161	128.928	272	.062	63 1114 542100000
SPEED-SENSING		ENGINE-CONTROLS	AIR	66.9779	86.2415	203	.50763	65 1198 542200000
SPEED-SENSING		ENGINE-CONTROLS	AIR	67.9886	89.9718	402	.353	63 1114 542200000
SPEED-SENSING		ENGINE-CONTROLS	AIR	153.846	181.197	200	.299	63 1114 542200000
SPEED-SENSING		ENGINE-CONTROLS	AIR	162.184	193.769	200	.33912	63 1198 542200000
SPST		SEAT-AUTO-FLIGHT-CONTROL-SYSTEM	AIR	28.9714	111.134	320	.035	61 1086 542200000
SPST		SEAT-AUTO-FLIGHT-CONTROL-SYSTEM	AIR	30.1204	95.0716	960	.166	61 1086 542300000
START-PUSH-COLD		WINDSHIELD-HEAT-DE-ICE	AIR	0	18.657	228	.1234	66 1290 542300000
START-PUSH-COLD		WINDSHIELD-HEAT-DE-ICE	AIR	0	31.042	155	.67416	63 1227 542300000
START/STOP		AUXILIARY-POWER-UNIT	AIR	0	93.1472	48	.02472	65 1227 542300000
START/STOP		AUXILIARY-POWER-UNIT	AIR	0	95.9894	76	.04113	66 1290 542300000
STARTER		IGNITION/ELECTRICAL-SYSTEM	AIR	4.29664	11.434	400	.46548	65 1198 542400000
STARTER		IGNITION/ELECTRICAL-SYSTEM	AIR	22.6628	36.8121	408	.353	63 1114 542400000
STARTER		IGNITION/ELECTRICAL-SYSTEM	AIR	31.519	44.2282	200	.50763	65 1198 542400000
STARTER		IGNITION/ELECTRICAL-SYSTEM	AIR	162.122	191.17	200	.33912	63 1198 542400000
STARTER		IGNITION/ELECTRICAL-SYSTEM	AIR	183.946	219.996	200	.299	63 1114 542400000
STARTING/IGNITION.		IGNITION/ELECTRICAL-SYSTEM	MELI	166.000	309.156	120	.03	65 1215 542500000
MIL-5-6743								

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	T91 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POSITION	YR OF DATA	CARBS INDEX
PART DESCRIPTION							RPT SRC	REF NO
STOP-PRESSURE-FUEL (STOPPER)			GAD	15789.45	23396.70		64 2851	54255000
STOPPING			LAB	44.2			64 281	54254000
STOPPING			GEN	90			61 1071	54254000
STOPPING			MELI	446.646			62 1078	54256000
STOP/TURN-ATM		ROTOR-DE-ICE	AIR		670.933	129	63 1215	54260000
STOP/TURN-ATM		AUXILIARY-POWER-PLANT	AIR		19.7040	100	63 1198	54262000
STOP/TURN-ATM		AUXILIARY-POWER-PLANT	AIR		18.1433	90	63 1198	54262000
STOP/TURN-ATM		AUXILIARY-POWER-PLANT	AIR	40	89.0773	90	63 1198	54262000
STOP/TURN-ATM		AUXILIARY-POWER-PLANT	AIR	47.1809	94.2927	90	63 1198	54262000
SUB-MINIATURE-SPOT		(200CPM-MECHANICAL-LOAD)	LIFE LAB	0.04453C	0.08425C	190	60 2090	54270000
SUB-MINIATURE-SPOT		(200CPM-MECHANICAL-LOAD)	LIFE LAB	1.04723C	1.3115C	190	60 2090	54270000
SUB-MINIATURE-SPOT		(200CPM-MECHANICAL-LOAD)	LIFE LAB	4.4212C	5.6923C	22	60 2090	54270000
SWITCH-CONTROL		R2-AMPLIFIER	LAB	4.233			63 2824	54270000
SWITCH-BUTTON			LAB	3.2258	9.09135		64 1250	54270000
SWITCHING		IFS	AIR	30			64 2300	54280000
SWITCHING		RADIO-NAVIGATION	AIR	90			64 2300	54280000
SWITCHING-UNIT		IFS	AIR				64 2300	54280000
SWITCHING-UNIT		IFS-D-720	AIR				64 2300	54280000
SYSTEM-CONTROL			AIR				64 2300	54280000
SYSTEM-CONTROL			AIR				64 2300	54280000
TAKEOFF-TRIM			AIR				64 2300	54280000
TEST		QUANTITY-OXYGEN-SYSTEM-INSTRUMENT	AIR	124.899	389		61 1099	54280000
TEST		SMOKE-DETECTION-SYSTEM	AIR	31.049	144		65 1227	54284000
TEST		YAW-DAMPER-ROUDDER-AFCS	AIR	93.1472	48		65 1227	54284000
TEST		ANTI-ICING/DE-ICING-SYSTEMS	AIR	93.1472	48		65 1227	54284000
TEST		AUTOL-WARNING-SYSTEM-LANDING-GEAR	AIR	93.1472	48		65 1227	54284000
TEST		MACH-TRIM-COMPENSATOR-AFCS	AIR	93.1472	48		65 1227	54284000
TEST		MACH-TRIM-COMPENSATOR-AFCS	AIR	93.1472	48		65 1227	54284000
TEST		ANTI-ICING/DE-ICING-SYSTEMS	AIR	93.1472	48		65 1227	54284000
TEST		SMOKE-DETECTION-SYSTEM	AIR	93.1472	48		65 1227	54284000
TEST		QUANTITY-OXYGEN-SYSTEM-INSTRUMENTATION	AIR	93.1472	48		65 1227	54284000
TEST		YAW-DAMPER-ROUDDER-AFCS	AIR	93.1472	48		65 1227	54284000
TEST		AUTOL-WARNING-SYSTEM-LANDING-GEAR	AIR	93.1472	48		65 1227	54284000
TEST		QUANTITY-FUEL-SYSTEM	AIR	93.1472	48		65 1227	54284000
TEST		QUANTITY-FUEL-SYSTEM	AIR	93.1472	48		65 1227	54284000
TEST		QUANTITY-FUEL-SYSTEM	AIR	93.1472	48		65 1227	54284000
TEST		FIRE/OVERHEAT-DETECTION-ENG/AUXILIARY-POWER-UNIT	AIR	93.1472	48		65 1227	54284000
TEST		FIRE/OVERHEAT-DETECTION-ENGINE/AUXILIARY-POWER-UNIT	AIR	93.1472	48		65 1227	54284000
TEST		TIT-INDICATING	AIR	93.1472	48		65 1227	54284000
TEST		TIT-INDICATING	AIR	93.1472	48		65 1227	54284000
TEST		ENGINE-INSTRUMENTATION	AIR	93.1472	48		65 1227	54284000

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NOVELLECTRONIC PART FAILURE RATE DATA

OF DATA INDEX  
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**WILLIAM, ELECTRIC**

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## Failure

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DATA

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ITEM	DESCRIPTION	UNIT	QTY	PRICE	TOTAL	REMARKS
1	AIR-CONDITIONING-T2Y	AIR	210P		64 2343	544 94000
2	AIR-CONDITIONING-T27	AIR	210P		64 2343	544 94000
3	ELECTRICAL-SYSTEM	AIR	23 340		63 1201	544 94000
4	WINDMILL-HEAT-ANTI-DE-ICE	GRD	34 6337	328	51361	
5	WINDMILL-HEAT-ANTI-DE-ICE	GRD	3035 185		63 247C	
6	WINDMILL-HEAT-ANTI-DE-ICE	GRD	2 6336		62 26	543 2000
7	WINDMILL-HEAT-ANTI-DE-ICE	GRD	110 224	100	62 095	
8	WINDMILL-HEAT-ANTI-DE-ICE	GRD	6 3192		59 2001	543 2000
9	AIR-CONDITIONING-CARGO-COMPARTMENT	AIR	9 0323	150	63 1198	543 2000
10	AIR-CONDITIONING-CARGO-COMPARTMENT	AIR	9 07178	100	63 1198	543 2000
11	WINDMILL-HEAT-ANTI-DE-ICE	AIR	8 43194	250	63 1198	543 2000
12	WINDMILL-HEAT-ANTI-DE-ICE	AIR	93 1472	48	63 1198	543 2000
13	WINDMILL-HEAT-ANTI-DE-ICE	AIR	19 2848	120	63 1227	543 2000
14	WINDMILL-HEAT-ANTI-DE-ICE	AIR	55 9834	76	62 1230	543 2000
15	WINDMILL-HEAT-ANTI-DE-ICE	AIR	5 43194	250	63 1198	543 2000
16	WINDMILL-HEAT-ANTI-DE-ICE	AIR	55 9834	76	64 1230	543 2000
17	WINDMILL-HEAT-ANTI-DE-ICE	AIR	3 9973	500	63 1198	543 2000
18	WINDMILL-HEAT-ANTI-DE-ICE	AIR	19 2848	120	65 1198	543 2000
19	WINDMILL-HEAT-ANTI-DE-ICE	AIR	25 3973	13	64 1230	543 2000
20	WINDMILL-HEAT-ANTI-DE-ICE	AIR	3 42677	250	63 1198	543 2000
21	WINDMILL-HEAT-ANTI-DE-ICE	AIR	55 9834	76	66 1230	543 2000
22	WINDMILL-HEAT-ANTI-DE-ICE	AIR	2 2679	400	63 1198	543 2000
23	WINDMILL-HEAT-ANTI-DE-ICE	AIR	31 044	144	65 1227	543 2000
24	WINDMILL-HEAT-ANTI-DE-ICE	AIR	18 6294	240	63 1227	543 2000
25	WINDMILL-HEAT-ANTI-DE-ICE	AIR	48 2219	124	63 1198	543 2000
26	WINDMILL-HEAT-ANTI-DE-ICE	AIR	24 1309	248	63 1198	543 2000
27	WINDMILL-HEAT-ANTI-DE-ICE	AIR	11 1964	300	63 1198	543 2000
28	WINDMILL-HEAT-ANTI-DE-ICE	AIR	23 1263	219	64 1230	543 2000
29	WINDMILL-HEAT-ANTI-DE-ICE	AIR	4 44672	400	63 1198	543 2000
30	WINDMILL-HEAT-ANTI-DE-ICE	AIR	18 1435	50	63 1198	543 2000
31	WINDMILL-HEAT-ANTI-DE-ICE	AIR	18 6594	228	66 1230	543 2000
32	WINDMILL-HEAT-ANTI-DE-ICE	AIR	3 54624		64 1230	543 2000
33	WINDMILL-HEAT-ANTI-DE-ICE	AIR	19 7866	100	63 1198	543 2000
34	WINDMILL-HEAT-ANTI-DE-ICE	AIR	171 835	4	62 1230	543 2000
35	WINDMILL-HEAT-ANTI-DE-ICE	AIR	104 043	24	63 1224	543 2000
36	WINDMILL-HEAT-ANTI-DE-ICE	AIR	9 09344	200	63 1198	543 2000
37	WINDMILL-HEAT-ANTI-DE-ICE	AIR	9 07178	100	63 1198	543 2000
38	WINDMILL-HEAT-ANTI-DE-ICE	AIR	18 1435	50	63 1198	543 2000
39	WINDMILL-HEAT-ANTI-DE-ICE	AIR	27 1597	80	63 1224	543 2000
40	WINDMILL-HEAT-ANTI-DE-ICE	AIR	18 5728	100	63 1198	543 2000
41	WINDMILL-HEAT-ANTI-DE-ICE	AIR	3 29736	400	63 1224	543 2000
42	WINDMILL-HEAT-ANTI-DE-ICE	AIR	1181 3		63 1198	543 2000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1963

PART CLASS	791 SWITCHES, ELECTRICAL	UPPER	PART	YR	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	OF DATA	REF MS
		PERCENT		PERCENT	
TOGGLE	NEGATIVE-TORQUE-CONTROL-REDUCTION-GEAR	0	AIR	65 1196	54874000
TOGGLE	CONTROL-DOOR-ELEC-AIR-SPOIL-PTP	0	AIR	65 1227	54570000
TOGGLE	ENGINE-PNEUMATIC-SYSTEM/DEICING	0	AIR	62 1095	54365000
TOGGLE	HEADING-SELECT-ASTROCOMPASS-MDI	0	SIM AIR	65 1198	54582000
TOGGLE	FLOOR-HEAT-SYSTEM	0	AIR	65 1195	54584000
TOGGLE	(PER-CONTACT-SET)	0.03	SIM AIR	65 1227	54586000
TOGGLE	GENERAL-(CONTACT-SET)	0.06	LAB	62 1240	54592000
TOGGLE	(STORAGE)	0.06	GEN	63 1178	54594000
TOGGLE	GENERAL	0.54	MSC	U 2001	54596000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	SMP	65 2240	54598000
TOGGLE	INTERIOR-LIGHTING	0.54	GEN	62 2240	54600000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	GEN	U 2001	54602000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	GEN	64 1210	54604000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54606000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1227	54608000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1227	54610000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54612000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1114	54614000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	64 1250	54616000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	64 1250	54618000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	U 2001	54620000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	GEN	U 2001	54622000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	GEN	62 1098	54624000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	58 2091	54626000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54628000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	U 2001	54630000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	61 212	54632000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54634000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	61 1086	54636000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	63 1094	54638000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	63 1114	54640000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	63 1158	54642000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	58 212	54644000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	63 1114	54646000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	57 2001	54648000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54650000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54652000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54654000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54656000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	65 1198	54658000
TOGGLE	CONTROL-FUEL-SYSTEM	0.54	AIR	58 2001	54660000

PART DESCRIPTION		FUNCTIONAL APPLICATION		ENVIRONMENT		FAILURE RATE		UPPER 90 CONF LIMIT		PART POPULATION		PART HOURS		VR		CROSS INDEX	
PART DESCRIPTION		FUNCTIONAL APPLICATION		ENVIRONMENT		FAILURE RATE		UPPER 90 CONF LIMIT		PART POPULATION		PART HOURS		VR		CROSS INDEX	
TOGGLE	GENERAL	GENERAL		AIR GND		9.26091	15.0958							66	216	54662000	
TOGGLE	PROPPELLER-ASS-ONLY	PROPPELLER-ASS-ONLY		GEN		10								U	2031	54664000	
TOGGLE	HYDRAULIC-PROPPELLER	HYDRAULIC-PROPPELLER		AIR		10.9062	17.0657	300						65	1198	54666000	
TOGGLE	ELEVATOR-ASSEMBLY	ELEVATOR-ASSEMBLY		AIR		11.3421	19.5094	612						63	1114	54668000	
TOGGLE	ALLERON-ASSEMBLY	ALLERON-ASSEMBLY		AIR		11.9436	44.2011	102						63	1114	54670000	
TOGGLE	WING-FLAP-ASSEMBLY	WING-FLAP-ASSEMBLY		AIR		11.9436	44.2011	102						62	1114	54672000	
TOGGLE	RUDER-ASSEMBLY	RUDER-ASSEMBLY		AIR		11.7952	45.8799	50						63	1198	54674000	
TOGGLE	ELEVATOR-ASSEMBLY	ELEVATOR-ASSEMBLY		AIR		11.7952	45.8799	50						63	1198	54676000	
TOGGLE	ELEVATOR-TRIM-TAB-ASSEMBLY	ELEVATOR-TRIM-TAB-ASSEMBLY		AIR		11.7952	45.8799	50						63	1198	54678000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		11.7952	31.3888	100						63	1198	54680000	
TOGGLE	AIR-CONDITION-FLIGHT-DECK	AIR-CONDITION-FLIGHT-DECK		AIR		12.0899	47.2854	152						66	1250	54682000	
TOGGLE	RUDER-ASSEMBLY	RUDER-ASSEMBLY		AIR		13.3333	28.1049	200						63	1198	54684000	
TOGGLE	WING-FLAP-ASSEMBLY	WING-FLAP-ASSEMBLY		AIR		13.3333	51.8626	50						63	1114	54686000	
TOGGLE	ELEVATOR-ASSEMBLY	ELEVATOR-ASSEMBLY		AIR		13.3333	51.8626	50						63	1114	54688000	
TOGGLE	ELEVATOR-TRIM-TAB-ASSEMBLY	ELEVATOR-TRIM-TAB-ASSEMBLY		AIR		13.4228	35.7201	100						63	1114	54690000	
TOGGLE	RUDER-TRIM-TAB-ASSEMBLY	RUDER-TRIM-TAB-ASSEMBLY		AIR GND		15.3								5	211	54692000	
TOGGLE	DC-POWER-SUPPLY	DC-POWER-SUPPLY		AIR		15.7591	41.9375	50						65	1198	54694000	
TOGGLE	ELEVATOR-TRIM-TAB-ASSEMBLY	ELEVATOR-TRIM-TAB-ASSEMBLY		AIR		15.7591	41.9375	50						65	1198	54696000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		17.1865	45.736	100						65	1198	54700000	
TOGGLE	ACTUATOR-SHAFT-ASSEMBLY	ACTUATOR-SHAFT-ASSEMBLY		AIR		20.2265	78.6751	96						65	1227	54702000	
TOGGLE	ALLERON-ASSEMBLY	ALLERON-ASSEMBLY		AIR		22.7272	60.4806	102						63	1114	54704000	
TOGGLE	ALLERON-ASSEMBLY	ALLERON-ASSEMBLY		AIR		23.9904	62.7777	50						63	1198	54706000	
TOGGLE	IGNITION/ELECTRICAL-SYSTEMS	IGNITION/ELECTRICAL-SYSTEMS		AIR		25.6666	70.964	50						63	1114	54708000	
TOGGLE	IGNITION/ELECTRICAL-SYSTEMS	IGNITION/ELECTRICAL-SYSTEMS		AIR		25.6666	70.964	50						63	1114	54710000	
TOGGLE	RADAR	RADAR		SIM AIR		27.027	105.127							63	1103	54712000	
TOGGLE	(+10/1000V) (RL-10K)	(+10/1000V) (RL-10K)		GND		45								U	2001	54714000	
TOGGLE	IGNITION/ELECTRICAL-SYSTEMS	IGNITION/ELECTRICAL-SYSTEMS		LAB		50								61	1066	54716000	
TOGGLE	ACTUATOR-SHAFT-ASSEMBLY	ACTUATOR-SHAFT-ASSEMBLY		AIR		58.9761	109.397	50						63	1198	54718000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		70.7714	124.228	50						63	1198	54720000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		80	140.428	50						63	1114	54722000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		93.152	325.77	31						63	1111	54724000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		235.904	319.003	50						63	1198	54726000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		266.666	360.601	50						63	1114	54728000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		90.909	353.609	250						65	1221	54730000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		100	199.838	380						61	1080	54732000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		26.6666	70.964	700						61	1080	54734000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		25	66.5287	760						61	1080	54736000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		50	133.057	380						61	1080	54738000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		326.086	462.878	440						61	1080	54740000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		9.0909	35.3609	1020						61	1080	54742000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		GEN		1.65872	7.22932							62	1018	54744000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		LAB		6	7.57533	84						65	1222	54746000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		LAB		6	11.1274	57						65	1222	54748000	
TOGGLE	DOOR-HYDRAULIC-PRESSURE	DOOR-HYDRAULIC-PRESSURE		AIR		75	167.07	380						61	1080	54750000	





HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

JANUARY 1965

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER		PART	YE	COST
					90 COMP	POPUL			
					LIMIT	LIMIT	MOUSE	PST	SRCE REF NO
.00 N.G.C.									
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	3.93995	15.3252	100		.25281	65	1198 54814000
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	5.2532	13.9795	150		.38072	65	1198 54836000
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	5.68181	22.1005	204		.176	63	1114 54838000
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	7.54717	20.0841	306		.265	63	1114 54840000
WARNING	EMPTY-AUXILIARY-DISTRIBUTION	AIR	8.59328	17.1727	400		.46548	65	1198 54842000
WARNING	FUEL-SYSTEM								
WARNING	LOW-PRESSURE-FUEL-SYSTEM	AIR	12.6415	23.4493	768		.39352	65	1227 54844000
WARNING	PRESSURE-DISTRIBUTION	AIR	13.9625	54.3102	184		.07152	63	1114 54846000
WARNING	DOOR-ELECTRIC-ASSIST-TAKE-OFF/	AIR	17.1865	34.3454	200		.23274	65	1198 54848000
WARNING	SPOILER								
WARNING	DOOR-MECHANICAL-PARATROOP	AIR	22.7272	45.4178	204		.176	63	1114 54850000
WARNING	DOOR-MECHANICAL-PARATROOP	AIR	23.6387	41.4943	100		.25362	65	1198 54852000
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	26.6666	46.9993	150		.225	63	1114 54854000
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	26.8456	53.6479	100		.149	63	1114 54856000
WARNING	DOOR-ELECTRIC-ATB/SPOILER	AIR	26.8456	53.6479	100		.149	63	1114 54858000
WARNING	EMPTY-AUXILIARY-DISTRIBUTION	AIR	28.409	52.6971	204		.176	63	1114 54860000
WARNING	FUEL-SYSTEM								
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	29.188	54.6986	100		.16756	63	1198 54862000
WARNING	DOOR-ELECTRIC-ASSIST-TAKE-OFF/	AIR	29.488	54.6986	100		.16756	63	1198 54864000
WARNING	SPOILER								
WARNING	DOOR-HYDRAULIC-AFT-CARGO	AIR	31.4539	51.0918	150		.25434	63	1198 54866000
WARNING	DOOR-ELECTRIC-GAS-TURBINE	AIR	34.0909	75.9181	102		.088	63	1114 54868000
WARNING	COMPRESSOR-INTAKE								
WARNING	DOOR-ELECTRIC-GAS-TURBINE	AIR	39.3979	73.0809	50		.12691	65	1198 54870000
WARNING	COMPRESSOR-INTAKE								
WARNING	EMPTY-AUXILIARY-DISTRIBUTION	AIR	39.3979	60.6991	100		.25382	65	1198 54872000
WARNING	FUEL-SYSTEM								
WARNING	BIL-LW-ENGINE/CONSTANT-SPEED-DRIVE	AIR	83.752	325.77	31		.01114	63	1111 54874000
WARNING	SYSTEM		101.132	155.811	192		.09888	65	1227 54876000
WARNING	PUMP-PRESSURE-MB-2-HYDRAULIC-SYSTEM	AIR	202.265	311.623	96		.04944	65	1227 54878000
WARNING	AIR-CONDITIONING-707-331	AIR	100P					66	2364 54880000
WARNING	AIR-CONDITIONING-707-131	AIR	170P					65	2361 54882000
WARNING	AIR-CONDITIONING-707-331	AIR	560P					66	2364 54884000
WARNING	AIR-CONDITIONING-707-331	AIR	1050P					66	2361 54886000
WARNING	AIR-CONDITIONING-707-131	AIR	80P					66	2362 54888000
WARNING	AIR-CONDITIONING-707-131	AIR	80P					66	2362 54890000
WARNING	AIR-CONDITIONING-707-331	AIR	110P					66	2362 54892000
WARNING	TEST-EMERGENCY	AIR	8	27.1597	50		.08476	63	1198 54894000
WARNING	TEST-EMERGENCY	AIR	8	19.7868	100		.11637	65	1198 54896000
WARNING	TEST-EMERGENCY	AIR	7.8794	90.6492	50		.12691	65	1198 54898000
WARNING	WATER-PRESS	AIR	340P					65	2363 54900000
WARNING	WATER-PRESSURE	AIR	210P					66	2365 54902000
WARNING	WATER/WASTE-127	AIR	5					63	1138 54904000
WARNING	WATER/WASTE-127	AIR	481.5					37	211 54906000
WARNING	(PER-CONTACT-SET								

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER SO CONF LIMIT	PART POPULATION	YR OF DATA INDEX	CROSS REF NO
.00 M.G.C.								
WAVEGUIDE-MICROWAVE	RECEIVER/TRANSMITTER	LAB	0	0.0039	350.344	54 1180	54 900000	
WAVEGUIDE-MICROWAVE	RECEIVER/TRANSMITTER	LAB	40			63 1138	54 910000	
WAVEGUIDE-MICROWAVE	ASB-36-RADAR	AIR	93 752		325.77	61 1071	54 912000	
WAVEGUIDE-MICROWAVE	AN/AP5-82	AIR	205.291		324.041	63 1111	54 914000	
WAVEGUIDE-MICROWAVE		AIR GND	5046.72			64 1135	54 918000	
← MAY	TRIM-STABILIZER-CONTROL	AIR	0		96.441	65 1168	54 918000	
						63 1117	54 920000	
.19 FLUID PRESSURE								
FUEL	FUEL-707-131B	AIR	20P			65 2362	54 927000	
FUEL	FUEL-707-131	AIR	40P			65 2362	54 927000	
FUEL	FUEL-707-331	AIR	40P			64 2362	54 927000	
FUEL-FEED	FUEL-707-131	AIR	160P			65 2361	54 928000	
FUEL-FEED	FUEL-707-131B	AIR	10P			65 2361	54 930000	
FUEL-FEED	FUEL-707-131B	AIR	10P			66 2361	54 930000	
FUEL-FEED	FUEL-707-131C	AIR	20P			65 2362	54 934000	
FUEL-FEED	FUEL-707-331B	AIR	20P			65 2362	54 934000	
FUEL-FEED	FUEL-707-131B	AIR	30P			66 2362	54 938000	
FUEL-FEED	FUEL-707-331	AIR	30P			66 2362	54 940000	
FUEL-FEED	FUEL-707-131B	AIR	30P			66 2362	54 942000	
FUEL-FEED	FUEL-707-331	AIR	60P			66 2361	54 944000	
FUEL-FEED	FUEL-707-131	AIR	60P			65 2362	54 946000	
HYDRAULIC	HYDRAULIC-POWER-707-331	AIR	50P			64 2361	54 950000	
HYDRAULIC	HYDRAULIC-POWER-707-131B	AIR	80P			66 2361	54 952000	
HYDRAULIC	HYDRAULIC-POWER-707-131	AIR	150P			66 2361	54 954000	
HYDRAULIC	HYDRAULIC-POWER-707-331	AIR	190P			66 2361	54 956000	
HYDRAULIC	HYDRAULIC-POWER-707-131	AIR	260P			65 2361	54 958000	
.50 TEMPERATURE								
AIR	ASN-54	AIR	4.83			57 211	54 960000	
CONTROL-MANUAL	AIR-CONDITIONED	AIR	19.5			57 211	54 962000	
HIGH-OIL	AUXILIARY-POWER-UNIT	AIR	0		401.149	65 1156	54 964000	
HIGH-OIL	AUXILIARY-POWER-UNIT	AIR	0		46.9736	65 1227	54 966000	
		AIR	0		93.1472	65 1227	54 968000	
		AIR	24.3131		94.3768	66 1250	54 970000	
.98 MAGNETIC								
REED	(RV-91, RV-45)	SIM AIR	0		2192.95	64 1151	54 972000	
REED		GND	0		1325.9	65 1171	54 974000	
REED		AIR	22.0588		49.1235	66 1233	54 976000	
		AIR	22.0718		49.1524	65 212	54 978000	

HOME AIR DEVELOPMENT CENTER, GLEISS AFB, M.T. JANUARY 1966  
SECTION 1 FAILURE RATE DATA

PART CLASS	YMI SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
TO MANUAL									
A/P- STANDARD	FLIGHT-DIRECTOR-SYSTEM		AIR	N	6.39562	906	.34911	65 1198	54980000
COAXIAL	(10-10-ACTUATIONS/MR)		GRD	A				65 1251	54982000
COAXIAL			GRD	5.5				65 1093	51984000
COAXIAL	(11-20-ACTUATIONS/MR)		GRD	8				65 1251	54984000
COAXIAL	(121-30-ACTUATIONS/MR)		GRD	12				65 1251	54988000
CONTROL			AIR	.02P				65 2590	54990000
CONTROL			AIR	.03P				65 2590	54992000
CONTROL			AIR	.04P				65 2590	54994000
CONTROL			AIR	.08P				65 2590	54996000
CONTROL			AIR	.08P				65 2590	54998000
CONTROL			AIR	.62P				65 2590	55000000
CONTROL			AIR	.69P				65 2590	55002000
CONTROL-ENGINE-DRIVEN-PUMP			AIR	.05P				65 2590	55004000
CONTROL-FUEL-EMULSION			AIR	.12P				65 2590	55006000
CONTROL-FUEL-QUANTITY-TEST			AIR	.01P				65 2590	55008000
CONTROL-JETISON			AIR	.04P				65 2590	55010000
CONTROL-100-SPEED.			AIR	.82P				65 2590	55012000
GROUND-IDLE									
CONTROL-100-SPEED.			AIR	1.03P				65 2590	55014000
GROUND-IDLE									
CONTROL-ALCAR			AIR	.01P				65 2590	55016000
CONTROL-QUAD			AIR	.1P				65 2590	55018000
CONTROL-SELECTOR.									
BRACE-PRESSURE									
CONTROL-STARTER			AIR	.03P				65 2590	55020000
CONTROL-TOGGLE			AIR	.32P				65 2590	55022000
CONTROL-TOGGLE			AIR	.01P				65 2590	55024000
CONTROL-TOGGLE			AIR	.01P				65 2590	55026000
CONTROL-TOGGLE			AIR	.04P				65 2590	55028000
CONTROL-TOGGLE			AIR	.05P				65 2590	55030000
CONTROL-TOGGLE			AIR	.08P				65 2590	55032000
CONTROL-TOGGLE			AIR	.08P				65 2590	55034000
CONTROL-TOGGLE			AIR	.1P				65 2590	55036000
CONTROL-TOGGLE			AIR	.1P				65 2590	55038000
CONTROL-TOGGLE			AIR	.1P				65 2590	55040000
CONTROL-TOGGLE			AIR	.1P				65 2590	55042000
CONTROL-TOGGLE			AIR	.16P				65 2590	55044000
CONTROL-TOGGLE			AIR	.16P				65 2590	55046000
CONTROL-TOGGLE			AIR	.04P				65 2590	55048000
MANUAL-TEST			AIR	.08P				65 2590	55050000
MANUAL-TEST-MARKING			AIR	.1P				65 2590	55052000
PUSH-BUTTON			GRD	132.187	351.771		.01313	64 1180	55054000
RESET			LAB	.50198C	.360195C		29.245	63 2213	55056000
ROTARY			GRD	0	385.03		.00598	64 1180	55058000
ROTARY			GRD	0	104.231		.02209	64 1180	55060000
ROTARY			AIR	.07P				65 2590	55062000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	791 SWITCHES, ELECTRICAL	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
-70 MANUAL									
ROTARY			AIR	.08P				65	2590 55062000
ROTARY			AIR	.08P				65	2590 55064000
ROTARY			AIR	.16P				65	2590 55066000
ROTARY			AIR	.21P				65	2590 55068000
ROTARY			AIR	.39P				65	2590 55070000
ROTARY			AIR	.51P				65	2590 55072000
ROTARY			AIR	1.12P				65	2590 55074000
ROTARY			AIR	9.00392	19.592	1914	.406	66	1253 55076000
ROTARY		(RC-.03)	GRD	662.251	1474.79	6	.00453	65	1177 55078000
ROTARY-SELECTOR			AIR	.02P				65	2590 55080000
ROTARY-SELECTOR			AIR	.05P				65	2590 55082000
ROTARY-SINGLE-POLE			LAB	14.2857C	31.8133C	3	.21C	65	1203 55084000
-70 POSITION									
ROTARY-5-POSITION		(128MA.24V)	LAB	0	22.5745C	1	.102C	65	1203 55086000
SENSITIVE			AIR	3.39083	14.3458	1809	.371	66	1253 55088000
SENSITIVE-LARGE		(PER-CONTACT-SET)	LAB	.045				33	1138 55090000
TEMPERATURE-CONTROL-MANUAL		AIR-CONDITION	AIR	0	27.9917	152	.08226	66	1250 55092000
TOGGLE			GRD	0	90.5822		.02542	64	1160 55094000
TOGGLE			GRD	0	104.991		.02193	64	1180 55096000
-70 SQUIB									
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE)	MSL	.01				65	2440 55098000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE)	LAB	.01				66	2M1 55100000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-15F)	LAB	0	8.26179	80	.2628	64	1191 55102000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-15F)	LAB	0	2.13124	60	1.0804	64	1191 55104000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-130F)	LAB	0	1.65143	80	1.3943	64	1191 55106000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-140F)	LAB	0	1.00405	150	2.2933	64	1191 55108000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-150F)	LAB	0	1.49141	170	1.5439	64	1191 55110000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-160F)	LAB	0	2.54349	300	.90522	64	1191 55112000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-170F)	LAB	0	5.27844	100	.29822	64	1191 55114000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-200F)	LAB	264.136	342	80	.10222	64	1191 55116000
EXPLOSIVE-SQUIB-ACTIVATED		(STORAGE-230F)	LAB	395.677	475.707	30	.13142	64	1191 55118000



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 755 SYNCHROS

PART DESCRIPTION

FUNCTIONAL APPLICATION

FAILURE RATE  
ENVIRONMENT RATE  
UPPER  
OC TIME  
LIMIT  
PART  
POPULATION  
LATION  
PART  
OF DATA  
INDEX  
RPT SRCE REF NO

-00 N-B-L-

ASTRO-TRACKER-SUBSYSTEM	AIR	0	30.497	0	-06304	62 2322	55140000
	GRD	0	67.7235	18	-034	65 1193	55140000
ANTENNA-LOSS-BOMB-COMPUTER	GRD	0	39.0271	54	-059	65 1193	55150000
	SIM GRD AIR	0	82.9765	105	-02774	64 1181	55152000A
	GRD	0	5.73713	356	-40135	64 1176	55154000
	SIM AIR	0	46.9918		-049	63 1103	55156000A
	MSL	0	2302.2		-001	57 212	55158000
HALAM	LAB	0.35				63 1138	55160000
	GEN	1.15				U 2001	55162000
	SUB	1				66 2M3	55164000
	GEN	1.5				U 2001	55166000
	AIR	1.75			-607	U 2001	55168000
BOMB-NAVIGATION	AIR	1.8				62 2240	55170000
	SMP	1.8				62 2240	55172000
	GEN	2.5				U 2001	55174000
	AIR	3				62 2240	55176000
	AIR GND	4.63445	9.26144		-8631	66 216	55178000
BOMB-NAVIGATION	AIR	4.9			1.8	58 2001	55180000
	GRD	5				63 1098	55182000
	GRD SMP	5.39316	20.9777		-15542	64 1180	55184000
	SIM AIR	6.02593	26.5508	506	-1465	65 1145	55186000A
	AIR	8.1			2.79	57 2001	55188000
BOMB-NAVIGATION	AIR GND	8.24372	10.9151		2.79	58 212	55190000
	AIR	12			-320	58 2001	55192000
	AIR	13			2.4	58 2001	55194000
	GEN	13.3333	35.482		-15	62 1078	55196000
	AIR	17			-122	58 2001	55198000
BOMB-NAVIGATION	AIR	15			-486	61 2001	55200000
	QUAL TEST	16.3934	43.6234		-122	59 212	55202000
	GEN	20				U 2001	55204000
	LAB	20				61 1084	55206000
	AIR	20				61 1088	55208000
AUTO-FLIGHT-CONTROL	AIR GND	21				59 212	55210000
	AIR	22				57 2001	55212000
	AIR	23.9				57 211	55214000
	SMP	25.3742	59.0932	1152	-3541	51 1131	55216000
	SMP	29			1.220	58 2001	55218000
RADAR	LAB	40				61 1086	55220000
	GRD	40.7331	158.439		-02455	62 1126	55222000
	GRD	40.7457	158.504		-02454	62 218	55224000
	AIR	50.9018	67.3969	22	-45185	62 2322	55226000
	AIR	55.4117	60.6143	164	3.8259	62 2322	55228000
INERTIAL-GUIDANCE-SYSTEM	AIR	64.5213	90.5379	23	-24798	62 2322	55230000
	AIR	70			-274	57 2001	55232000
	AIR	72.072	144.027	440	-0555	62 1095	55234000
	GRD	40.7331	158.439		-02455	62 1126	55222000
	GRD	40.7457	158.504		-02454	62 218	55224000
STABILIZATION-SUBSYSTEM	AIR	50.9018	67.3969	22	-45185	62 2322	55226000
	AIR	55.4117	60.6143	164	3.8259	62 2322	55228000
	AIR	64.5213	90.5379	23	-24798	62 2322	55230000
	AIR	70			-274	57 2001	55232000
	AIR	72.072	144.027	440	-0555	62 1095	55234000

ROSE AIR DEVELOPMENT CENTER, BRIDGESS AFB, N.Y.  
SECTION I FAILURE RATE DATA

SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	795 SYNCHRONOUS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART HOURS	VR OF DATA	CROSS INDEX
PART DESCRIPTION							REF	NO
.00 M.R.C.								
RADAR GENERAL	RADAR	GENERAL	AIR GND	71.6427	98.7047	-274	58 212	55234000
			MSL	71.5294	136.392	-048	61 1081	55238000
			AIR	78.9473	103.32	-342	61 1084	55240000
			GND	89.8448	113.002	-378.93	64 1210	55242000
FIRE-CONTROL LANDING-SYSTEMS AUTO-FLIGHT-CONTROL	RADAR	GENERAL	AIR	90		-174	U 2001	55244000
			AIR	100			57 2001	55246000
			AIR SHIP GND	100			58 212	55248000
			AIR	161.042	183.113	-652	61 1083	55250000
(STORAGE)	RADAR	GENERAL	AIR GND	200	264.947	-110	58 212	55252000
			AIR GND	200			61 212	55254000
			AIR	200		-110	58 2001	55256000
			AIR	253.252	325.034	-111	61 1080	55258000
DIFFERENTIAL GENERATOR	RADAR	GENERAL	AIR	340			U 2001	55260000
			MSL	358			57 212	55262000
			AIR	396.825	478.884	-126	61 1082	55264000
			MSL	5		-01424	61 211	55266000
PACKAGE	RADAR	GENERAL	AIR	491.573	826.608	-140	58 2001	55270000
			AIR	100		-280	58 2001	55272000
			AIR GND	3.64037	9.9354	1.06	61 1087	55274000
			AIR GND	6.69642	14.9125	-448	62 1087	55276000
REPEATER	RADAR	GENERAL	AIR GND	11.396	22.7736	-351	62 1087	55278000
			AIR GND	5.95238	13.2555	-304	62 1087	55280000
			AIR GND	6.39534	9.65008	1.72	61 1087	55282000
			AIR GND	21.8418	33.7125	-457	62 1087	55284000
RESOLVER	RADAR	GENERAL	AIR	6.5		-140	58 2001	55286000
			AIR	153.506	2	-015	62 1095	55288000
			AIR	47.619	185.223	-021	62 1099	55290000
			AIR	58.7084	74.9806	-511	62 1099	55292000
RESOLVER	RADAR	GENERAL	GND	0	939.836	-00245	64 1180	55294000
			LAB	25			61 1071	55296000
			GND	417			61 1079	55298000
			LAB	1-11			63 1138	55300000
RESOLVER	RADAR	GENERAL	AIR GND	1.2			63 1095	55302000
			LAB	20			61 1086	55304000
			SEN	21			62 1078	55306000
			LAB	40			61 1084	55308000
RESOLVER	RADAR	GENERAL	GND	64.8152	94.5203	-20057	64 1176	55310000
			AIR	300		-560	58 2001	55312000
			SUN	500.885	751645	32.72	66 1261	55314000
			AIR	0	460.52	-005	62 1095	55316000
RESOLVER	RADAR	GENERAL	AIR	0	63.4452	-053	62 1093	55318000
			AIR	0	363.761	-066	62 1099	55320000
			AIR	0	39.7	-058	62 1099	55322000
			AIR	0	164.471	-014	62 1099	55324000

(FULL-OPERATION)



PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR RPT SRC	CROSS DATA INDEX REF NO
RESOLVERS		AIR	0	1121.3	1	.002	62	1099 55326000
RESOLVERS		AIR	0	82.235	2	.028	62	1099 55328000
RESOLVERS	ROLL-ANGLE-REPEATER-RADAR	SIM GRD AIR	0	82.9765	195	.02775	64	1181 55330000A
RESOLVERS	ROLL-ANGLE-REPEATER-TOCS-	SIM GRD AIR	0	115.13	139	.02	63	1117 55332000
RESOLVERS	BOMB-COMPUTER	GRD	0	657.885		.0035	62	1135 55334000
RESOLVERS	HOMING-SET-COORDINATE-CONVERTER	GRD	0	17.0816	12	.1348	64	1230 55336000A
RESOLVERS		SIM AIR	0	2192.95	2	.00105	64	1151 55338000A
RESOLVERS		AIR	0	19.1883	4	.12	62	1099 55340000
RESOLVERS		AIR	0	104.663	1	.022	62	1099 55342000
RESOLVERS		SIM AIR	0	138.961	16	.01657	64	1150 55344000A
RESOLVERS		LAB	0.04				63	1138 55346000A
RESOLVERS		GRD	5.30632	22.9738	21	.16931	64	1210 55348000A
RESOLVERS		GRD	10				63	1098 55350000
RESOLVERS		GRD	10.563	91.0869		.09457	62	1136 55352000
RESOLVERS	INERTIAL-GUIDANCE-SYSTEM	SUB	14.4				63	1092 55354000
RESOLVERS		SIM	54.1271	144.04	108	.03695	61	1131 55356000A
RESOLVERS		AIR	65.0887	98.2139	22	.169	62	1099 55358000
RESOLVERS		AIR	71.2871	85.0854	63	.202	62	1099 55360000
RESOLVERS		AIR	200	445.386	2	.015	62	1099 55362000
RESOLVERS		GRD	285.714	1111.34		.0035	62	1135 55364000
RESOLVERS	PROGRAMMER, COORDINATE-CONVERTER	GRD	309.859	412.961	3	.071	62	1099 55366000
RESOLVERS	(STANDBY-OPERATION)	GRD	0	135.447	9	.017	65	1193 55368000A
RESOLVERS		SIM AIR	19.4912	122.469	440	.1258	65	1175 55370000A
RESOLVERS		AIR	0	23.3292	533	.0987	66	1253 55372000A
RESOLVERS	INFLIGHT-BLADE-TRACK	MEL	433.333	631.931	120	.03	65	1215 55374000
RESOLVERS	RADAR-DC-8	AIR	640				66	2380 55376000
RESOLVERS	RADAR-S-720	AIR	1150				66	2380 55378000
RESOLVERS		SUB	0				61	211 55380000
RESOLVERS		AIR	5.6				61	211 55382000
RESOLVERS	GENERAL	AIR	0	52.3318	10	.044	U	2001 55384000
RESOLVERS		AIR	0	191.883	2	.012	62	1093 55386000
RESOLVERS		AIR	0	164.471	1	.014	62	1059 55388000
RESOLVERS		AIR	0	1151.3	1	.002	62	1099 55390000
RESOLVERS		AIR	0	53.5498	2	.043	62	1099 55392000
RESOLVERS		AIR	0	287.825	1	.008	62	1059 55394000
RESOLVERS		AIR	0	2.18478	35	.1052	62	1099 55396000
RESOLVERS		AIR	0	164.471	1	.014	62	1099 55400000
RESOLVERS		AIR	3.00151	6.01018	63	1.33	62	1099 55402000
RESOLVERS		AIR	7.24637	29.1862	18	.138	62	1099 55404000
RESOLVERS	(STANDBY-OPERATION)	AIR	63.8297	142.144	2	.047	62	1099 55406000
RESOLVERS		AIR	0	16.9308	638	.136	66	1253 55408000

ROME AIR DEVELOPMENT CENTER, GEORGETOWN, N.Y.  
SECTION I

FAILURE RATE DATA

JANUARY 1966

PART CLASS	755 SYNCHRO	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CON- LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
PART DESCRIPTION									
.00 M.O.C.									
TRANSMITTER		GENERAL	SMP	6	649351	2.52577	8205	1.54	61 211 55410000
TRANSMITTER			AIR	24					66 1253 55412000
TRANSMITTER			AIR	53					U 2001 55414000
TRANSMITTER			SUB		207412	294419	1136	72.32	61 211 55416000
TRANSMITTER DIFFERENTIAL			SUB		648654	107013	840	62.43	66 1261 55418000
TRANSMITTER DIFFERENTIAL			SUB		928382	156112	190	7.54	66 1261 55427000
TRANSMITTER 1154-400CPS			AIR		58.8235	228.805		.017	60 1067 55424000
26-VOLTS-400-CPS			AIR GND		65.7674	155.367		.043	60 1067 55426000
26-VOLTS-400-CPS			GRD		125	486.212		.008	60 1067 55428000
26-VOLTS-400-CPS			GRD		230.769	513.907		.013	60 1067 55430000
.15 CONTROL RESOLVERS									
GRD			GRD	0	255.844			.009	59 212 55432000
GRD			GRD	20	10.563	41.0869		.09467	62 218 55434000
GRD			SMP	22.4					61 215 55436000
SMP			SMP	25.47					62 2240 55440000
SIM GRD AIR			SIM GRD AIR	36.036	140.169	195		.02775	64 1181 55442000
AIR GND			AIR GND	39.6226	46.8191			1.59	58 212 55444000
AIR			AIR	41.5					57 211 55446000
AIR			AIR	42.4					57 211 55448000
AIR			AIR	43.3					57 211 55450000
AIR			AIR	84.5					61 210 55452000
AIR			AIR	91					62 2240 55454000
AIR GND			AIR GND	2000	265.47			.0110	58 212 55456000
.20 CONTROL TRANSFORMER									
GRD			GRD	0	215.397			.0169	64 1180 55458000
SIM AIR			SIM AIR	6	274.773	16		.00838	64 1151 55460000
GFM			GFM	8	26.1659			.088	62 1078 55462000
GRD			GRD	6	577.092			.00399	64 1180 55464000
SIM GRD AIR			SIM GRD AIR	190.454	195			.01204	64 1181 55466000
SIM GRD AIR			SIM GRD AIR	287.825	139			.008	63 1117 55468000
SUB			SUB	23258	301113	1838		116.1	66 1261 55470000
AIR GND			AIR GND	7.16845	19.0763			.279	63 1096 55472000
AIR			AIR	12.8534	19.8026	3723		.778	66 1253 55474000
AIR			AIR	30				.700	58 2001 55476000
SUB			SUB	34.3					63 1092 55478000
SIM AIR			SIM AIR	40.2414	107.088	49		.0497	64 1150 55480000
AIR GND			AIR GND	112.676	183.023	1390		.071	65 1221 55482000

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

ROMA AIR DEVELOPMENT CENTER - GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

PART CLASS 755 SYNCHRO

PART DESCRIPTION FUNCTIONAL APPLICATION

-20 CONTROL TRANSFORMER

(PV-1)

FAILURE RATE	ENVIRONMENT	UPPER LIMIT	PART POPULATION	PART HOURS	YR OF DATA INCL	CROSS RPT SACE REF NO
132.45	GRD	515.192	10	-00755	65	1177 55489000A

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS	796 TABS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SINCE REP NG	CROSS INDEX
PART DESCRIPTION									
00 N.B.C.									
AILERON-OB-LH		SERVO-AILERON-FLIGHT-CONTROL	AIR	13.8700	46.3736	94	.04944	65	1227 50486000
ELFV-CONTROL-RH		AILERON-FLIGHT-CONTROL-SYSTEM	AIR	24.3131	24.3832	252	.93194	64	1135 55488000
FLUTTER-FLIGHT-CAMPENER		SERVO-AILERON-FLIGHT-CONTROL	AIR	32.4119	94.5708	76	.09113	64	1250 55495000
FLUTTER-FLIGHT-CAMPENER		ELEVATOR-FLIGHT-CONTROL-SYSTEM	AIR	2333.33	54.5024	126	.21597	64	1155 55492000
ID-AILERON-RH		BALANCE-AILERON	AIR	300P	3131.58	32	.009	59	1110 55494000
IR-AILERON-RH		FLIGHT-CONTROLS.727	AIR	310P				65	2365 55494000
IMBOARD-AILERON-RH		FLIGHT-CONTROLS.707-331	AIR	30P				66	2364 55498000
IMBOARD-AILERON-RH		FLIGHT-CONTROL.860	AIR	30P				65	2363 55500000
IMBOARD-AILERON-RH		FLIGHT-CONTROL.860	AIR	30P				66	2363 55502000
LOWER-RUDDER		FLIGHT-CONTROLS.707-131	AIR	260P				65	2361 55504000
ROU-ID-AILERON		FLIGHT-CONTROLS.707-331S	AIR	240P				65	2361 55506000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-131B	AIR	130P				64	2364 55508000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-131	AIR	140P				65	2364 55510000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-131	AIR	270P				65	2364 55512000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.727	AIR	190P				66	2360 55514000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.727	AIR	210P				66	2365 55516000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.727	AIR	90P				66	2360 55518000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.727	AIR	340P				65	2362 55520000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331	AIR	340P				66	2364 55522000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331	AIR	420P				65	2364 55524000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331B	AIR	620P				66	2362 55526000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331B	AIR	280P				66	2362 55528000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331	AIR	310P				66	2362 55530000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331	AIR	340P				65	2362 55532000
STABILIZER-ACID-ELEV-LH		FLIGHT-CONTROLS.707-331	AIR	340P				66	2362 55534000
STABILIZER-ACID-ELEV-LH		R/H-ELEVATOR-ASSEMBLY	AIR	340P				66	2364 55536000
TRIM		RUDDER-ASSEMBLY	AIR	27.1597	50		.08478	63	1198 55538000
TRIM		RUDDER-ASSEMBLY	AIR	19.7868	100		.11637	65	1198 55540000
TRIM		RUDDER-ASSEMBLY	AIR	27.1597	50		.08478	63	1198 55542000
TRIM		AILERON-ASSEMBLY	AIR	5.60181	22.1005	204	.176	62	1114 55544000
TRIM		RUDDER-ASSEMBLY	AIR	7.8796	30.6492	50	.12671	65	1198 55546000
TRIM		RUDDER-ASSEMBLY	AIR	11.3636	44.2011	102	.088	63	1114 55548000
TRIM		AILERON-ASSEMBLY	AIR	12.8899	28.7049	200	.23274	65	1198 55550000
TRIM		AILERON-ASSEMBLY	AIR	19.6989	36.5404	100	.25382	65	1198 55552000
TRIM		L/H-ELEVATOR-ASSEMBLY	AIR	23.5904	32.7777	50	.08478	63	1198 55554000
TRIM		L/H-ELEVATOR-ASSEMBLY	AIR	29.6659	75.594	20	.075	63	1114 55556000
TRIM		L/H-ELEVATOR-ASSEMBLY	AIR	34.0969	75.9181	102	.088	63	1114 55558000
TRIM		R/H-ELEVATOR-ASSEMBLY	AIR	34.0969	75.9181	102	.088	63	1114 55560000
TRIM		AILERON-ASSEMBLY	AIR	53.0785	83.7815	100	.1656	63	1198 55562000
TRIM		AILERON-ASSEMBLY	AIR	53.6912	87.2127	100	.149	63	1114 55564000
TRIM		R/H-ELEVATOR-ASSEMBLY	AIR	78.7959	121.398	50	.12691	65	1198 55566000
TRIM		L/H-ELEVATOR-ASSEMBLY	AIR	78.7959	121.398	50	.12691	65	1198 55568000
TRIM		ELEVATOR-ASSEMBLY	AIR	94.526	125.978	200	.23274	65	1198 55570000

ROSE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 805 TANKS/TANK PARTS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART HOURS	YR DATA INDEX	CROSS REF NO
.00 N.O.C.								
BLADDER	TANK-AUXILIARY-FUEL-SYSTEM	AIR	3.92985	8.77378	300	.76145	65	1198 55572000
BLADDER	TANK-AUXILIARY-FUEL-SYSTEM	AIR	25.7794	35.4557	600	.69823	65	1198 55574000
BOTTLE-AUXILIARY-POWER-	FIRE-PROTECTION.727	AIR	30CP				66	2365 55576000
BOTTLE-ENG-FIREX	FIRE-PROTECTION.727	AIR	110P				66	2365 55578000
BOTTLE-ENG-FIREX	FIRE-PROTECTION.727	AIR	400P				66	2365 55580000
BOTTLES	TAKOFF-ASSIST-SYSTEM	AIR	*	2.2679	400	1.0153	65	1198 55592000
BOTTLES	EMERGENCY-DUMP-LANDING-GEAR-MAIN	AIR	*	3.39501	400	.67823	63	1198 55594000
BOTTLES	VALVE-LANDING-GEAR-EMERGENCY	AIR	181.818	319.154	120	.033	66	1225 55586000
BOTTLES-AIR	LANDING-GEAR-EMERGENCY	AIR	*	7.68506		.29562	66	1241 55588000
BOTTLES-AIR	LANDING-GEAR-EMERGENCY	AIR	*	9.99585		.23036	66	1241 55590000
BOTTLES-LIQUID-NITROGEN	DETECTOR-INFRARED-RECEIVER	AIR	131.47	213.552		.06085	66	1241 55592000A
CELLS-ASSEMBLY-FUEL		AIR	263.695	284.9		1.077	63	2111 55594000
OUTBOARD								
CELLS-ASSEMBLY-FUEL-AFT		AIR	178.438	206.119		.538	63	2111 55596000
CELLS-ASSEMBLY-FUEL-FORWARD		AIR	219.32	247.539		.538	63	2111 55598000
CELLS-ASSEMBLY-FUEL-IMBOARD		AIR	285.979	308.013		1.077	63	2111 55600000
ENGINE-OIL-QUANTITY-UNIT	OIL.707-1318	AIR	370P				55	2361 55602000
ENGINE-OIL-QUANTITY-UNIT	OIL.707-1318	AIR	400P				66	2361 55604000
ENGINE-OIL-QUANTITY-UNIT	OIL.707-1318	AIR	480P				66	2361 55606000
FLASKS-BOTTLE-WATER		AIR	*	32.1502	186	.07162	63	1111 55608000
HYDRAULIC-QUANTITY	HYDRAULIC-POWER.707-131	AIR	220P				66	2361 55610000
HYDRAULIC-QUANTITY	HYDRAULIC-POWER.707-1318	AIR	240P				66	2361 55612000
HYDRAULIC-QUANTITY	HYDRAULIC-POWER.707-1318	AIR	270P				65	2361 55614000
HYDRAULIC-QUANTITY	HYDRAULIC-POWER.707-131	AIR	520P				65	2361 55616000
PLENUMS	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	*	9.89344	200	.23274	65	1198 55618000
PLENUMS	TURBINE-AUX-POWER-UNIT	AIR	*	93.1472	48	.02472	65	1227 55620000
PLENUMS	TURBINE-AUXILIARY-POWER-UNIT	AIR	*	55.9834	76	.04113	66	1250 55622000A
PLENUMS	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	13.3333	51.8626	50	.075	63	1114 55624000
PLENUMS	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	22.7272	60.4606	102	.088	63	1114 55626000
PLENUMS	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	23.6387	52.642	50	.12641	65	1198 55628000
PLENUMS	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	47.1809	94.2857	50	.08478	65	1198 55630000
PLENUMS-INTAKE	AUXILIARY-POWER-UNIT	AIR	*	95.9834	76	.04113	66	1250 55632000A
PLENUMS-INTAKE	AUX-POWER-UNIT	AIR	*	95.1672	48	.02472	65	1227 55634000
RESERVOIR-HYDRAULIC-UTILITY	HYDRAULIC-POWER.331C/373C	AIR	500P				66	2361 55636000
RESERVOIR-AUXILIARY-POWER-UNIT-OIL	AIRBORNE-AUXILIARY-POWER.727	AIR	220P				66	2361 55638000
RESERVOIR-HYDRAULIC-CARGO-OR	HYDRAULIC-POWER.331C/373C	AIR	510P				66	2361 55640000
RESERVOIRS	RAIN-REFPELLANT-SYSTEM	AIR	*	55.9834	76	.04113	66	1250 55642000
RESERVOIRS	HYDRAULIC/PHOSPHORIC-SYS.BAT	AIR	*	44.3486		.04988	63	1108 55644000

ARMY AIR DEVELOPMENT CENTER, CRIPPLISS AFB, N.Y.  
SECTION 1. FAILURE RATE DATA

MODELING PART FAILURE RATE DATA

DATE: 10-1-70

PART CLASS 605 TANKS/TANK PARTS

PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER PART	PART	MTBF	MTBF
			NO COMP	MTBF	MTBF	MTBF
			LINE	LINE	LINE	LINE
.00 M.O.C.						
RESERVOIRS	OIL-SYSTEM-GTC-AUX-POWER-PLANT	0	10.1339	30	12691	65 1198 55422000
RESERVOIRS	RAIR-REPELLANT-SYSTEM	0	93.1472	48	82472	65 1227 5041300
RESERVOIRS	EXTENSION-EMERGENCY	0	55.9334	76	84113	64 1290 55318000
RESERVOIRS	NOSE-LANDING-GEAR					
RESERVOIRS	(STORAGE)	.0001				
RESERVOIRS	LAR	1.3				
RESERVOIRS	OIL-SYSTEM-GTC-AUX-POWER-PLANT	23.5004	62.7777	30	88478	63 1198 55422000
RESERVOIRS	OIL-SYSTEM-GTC-AUX-POWER-PLANT	20.4446	70.964	50	875	63 1114 55422000
RESERVOIRS	CONSTANT-SPEED-DRIVE-POWER-PLANT	48.3				
RESERVOIRS	OIL-SYSTEM-GTC-AUX-POWER-PLANT	50.933	76.3539	126	21947	65 1198 55422000
RESERVOIRS	OIL-SYSTEM-GTC-AUX-POWER-PLANT	51.5596	90.5052	160	11437	65 1198 55422000
RESERVOIRS	OIL-SYSTEM-TURBOJET-2-85	56.8828	82.9524	944	22034	65 1228 55422000
RESERVOIRS	OIL-SYSTEM-TURBOJET-2-85	58.8835	103.387	812	10144	64 1179 55422000
RESERVOIRS	EXTENSION-EMERGENCY-MLC	121.358	270.258	48	82472	65 1227 55422000
RESERVOIRS	FORWARD-CARGO-DOOR-HYDR-PWR-SPLY	200	445.386	68	815	63 1114 55422000
RESERVOIRS	MAIN-HYDRAULIC-SYSTEM	222.203	292.494	63	10798	65 1198 55422000
RESERVOIRS	FORWARD-CARGO-DOOR-HYDR-PWR-SPLY	363.836	461.713	102	898	63 1114 55422000
RESERVOIRS	HYDRAULIC-SYSTEM	1235.29	1697.9	64	817	64 1225 55422000
RESERVOIRS	CONSTANT-SPEED-DRIVE	2112.67	4704.78	23	80142	63 1125 55422000
RESERVOIRS	ASSEMBLY	101.851	135.741		214	63 2109 55422000
RESERVOIRS	HYDRAULIC	444.444	530.495		108	63 2137 55422000
RESERVOIRS-AUXILIARY	HYDRAULIC-POWER-SUPPLY	0	19.748	100	11327	65 1198 55422000
RESERVOIRS-AUXILIARY	HYDRAULIC-POWER-SUPPLY	15.7591	41.9375	50	12091	65 1198 55422000
RESERVOIRS-AUXILIARY	HYDRAULIC-POWER-SUPPLY	22.7272	60.4806	102	804	63 1114 55422000
RESERVOIRS-AUXILIARY	HYDRAULIC-POWER-SUPPLY	23.5904	42.7777	50	84478	63 1198 55422000
RESERVOIRS-AUXILIARY	HYDRAULIC-POWER-SUPPLY	26.6665	30.964	50	875	63 1114 55422000
RESERVOIRS-BOOST	HYDRAULIC-POWER-SUPPLY	0	19.748	100	11327	65 1198 55422000
RESERVOIRS-BOOST	HYDRAULIC-POWER-SUPPLY	141.842	269.737	50	12691	65 1198 55422000
RESERVOIRS-BOOST	HYDRAULIC-POWER-SUPPLY	160	237.087	50	875	63 1114 55422000
RESERVOIRS-FLUID	BRAKE-SYSTEM-LANDING-GEAR	28.2536	58.465	473	11327	63 1228 55422000
RESERVOIRS-FLUID	BRAKE-SYSTEM-LANDING-GEAR	34.7564	47.0022	597	51789	67 1273 55422000
RESERVOIRS-FLUID	BRAKE-SYSTEM	68.3682	126.61	406	86726	64 1179 55422000
RESERVOIRS-HYDRAULIC	PROPELLER-ASSEMBLY	0	4.94472	400	44548	65 1198 55422000
RESERVOIRS-HYDRAULIC	NO-2-HYD-SYSTEM	0	40.3404	43	857	61 1034 55422000
RESERVOIRS-HYDRAULIC	NO-1-HYD-SYSTEM	0	93.1472	48	82472	65 1227 55422000
RESERVOIRS-HYDRAULIC	PROPELLER-ASSEMBLY	0	93.1472	48	82472	65 1227 55422000
RESERVOIRS-HYDRAULIC	NO-1-HYDRAULIC-SYSTEM	0	4.3598	200	50743	65 1198 55422000
RESERVOIRS-HYDRAULIC	NO-2-HYDRAULIC-SYSTEM	0	55.9334	76	84113	64 1290 55422000
RESERVOIRS-HYDRAULIC	PROPELLER	0	55.9334	76	84113	64 1290 55422000
RESERVOIRS-HYDRAULIC	POWER-CONTROL	3.68572	15.0773	408	353	63 1114 55422000
RESERVOIRS-HYDRAULIC		12496	13.6421		437	61 1093 55422000
RESERVOIRS-HYDRAULIC		11.6003	31.0091		17144	63 1125 55422000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	QTY	TANKS/TANK PARTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR	CROSS REF DATA INDCX
PART DESCRIPTION										RPT SREE REF NO
RESERVOIRS-HYDRAULIC				AIR	23.8095	92.8119		.042	51	1882 55730000
RESERVOIRS-HYDRAULIC			PROPELLER-ASSEMBLY	AIR	26.5392	41.8907	200	.33912	63	1198 55732000
RESERVOIRS-HYDRAULIC			PROPELLER	AIR	26.7558	43.4605	200	.299	63	1114 55734000
RESERVOIRS-HYDRAULIC			PRESSURE-SUPPLY-SYSTEM	AIR	27.9251	74.313	186	.07162	63	1111 55736000
RESERVOIRS-HYDRAULIC			NO-3-HYDRAULIC-SYSTEM	AIR	48.6263	129.401	76	.04113	66	1250 55738000
RESERVOIRS-HYDRAULIC			NO-3-HVC-SYSTEM	AIR	80.9061	215.303	48	.02472	65	1227 55740000
RESERVOIRS-HYDRAULIC			SHELTER-SKID-SYSTEM	AIR	125.629	217.979		.034	62	1141 55742000
RESERVOIRS-HYDRAULIC			PRESSURE	AIR	252.631	332.658		.035	63	2121 55744000
RESERVOIRS-HYDRAULIC			POWER-CONTROL	AIR	444.444	888.172	32	.039	59	1110 55746000
RESERVOIRS-HYDRAULIC			BOOST-CONTROL	WELL	483.924	555.632		.17844	66	1241 55748000
RESERVOIRS-HYDRAULIC				AIR	789.265	1215.99	40	.01267	66	1277 55750000
RESERVOIRS-HYDRAULIC				AIR	1114.28	1294.05	640	.07	61	1280 55752000
RESERVOIRS-HYDRAULIC			BOOST-CONTROL	WELL	1589.59	1901.12	40	.0346	66	1257 55754000
RESERVOIRS-HYDRAULIC				AIR	500.277	574.872		.1799	66	1261 55756000
RESERVOIRS-HYDRAULIC-8-74				GRD		5.05488	26	.4552	64	1191 55758000
RESERVOIRS-HYDRAULIC-BRAKE			CONTROL-SYSTEM	AIR	87.7192	162.714	520	.037	61	1080 55760000
RESERVOIRS-HYDRAULIC-POWER			THROTTLE-ALT-OB	GRD	5652.17	8242.98		.0023	62	1135 55762000
RESERVOIRS-SIGHT-CAGE				AIR		192.847	31	.01194	62	1111 55764000
RESERVOIRS-SIGHT-GAGE			HYDRAULIC-POWER-SUPPLY	AIR	18.8679	34.9988	306	.265	63	1114 55766000
RESERVOIRS-SIGHT-GAGE			HYDRAULIC-POWER-SUPPLY	AIR	22.2222	41.2208	150	.22	63	1114 55768000
RESERVOIRS-SIGHT-GAGE			HYDRAULIC-POWER-SUPPLY	AIR	43.4782	115.702	204	.046	63	1114 55770000
RESERVOIRS-UTILITY			HYDRAULIC-POWER-SUPPLY	AIR	25.7798	57.4099	100	.11637	65	1198 55772000
RESERVOIRS-UTILITY			HYDRAULIC-POWER-SUPPLY	AIR	34.0909	75.918	102	.088	63	1114 55774000
RESERVOIRS-UTILITY			HYDRAULIC-SYSTEM	AIR	40.2455	107.11		.04999	62	1123 55776000
RESERVOIRS-UTILITY			HYDRAULIC-POWER-SUPPLY	AIR	47.2775	82.9887	50	.12691	65	1195 55778000
RESERVOIRS-UTILITY			HYDRAULIC-POWER-SUPPLY	AIR	129.747	193.779	50	.08478	63	1198 55780000
RESERVOIRS-UTILITY			HYDRAULIC-POWER-SUPPLY	AIR	146.663	221.308	50	.075	63	1114 55782000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	258.064	419.183	136	.031	63	1114 55784000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	306.363	453.618	204	.176	63	1114 55786000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	393.979	455.53	100	.23282	65	1138 55788000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	461.165	549.749	240	.1234	65	1227 55790000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	489.816	554.006	200	.23274	65	1198 55792000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	557.324	612.954	200	.53912	63	1198 55794000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	588.927	642.438	380	.20565	66	1250 55796000
SPHERES			FIRE-EXTINGUISHER-SYSTEM	AIR	612.04	674.193	200	.299	63	1114 55798000
SPHERES-2200-CUBIC-INCH			COLD-GAS-SUPPLY	WELL		1070.27		.00215	62	1134 55800000
SPHERES-CLAMP				AIR		28.6154	400	.13993	65	212 55802000
SUMPS			OIL-TANK-ENGINE	AIR		4.94672		.40540	65	1198 55804000
SUMPS			HEATING-NO-6-ENGINE/	AIR		23.2868	192	.09888	65	1227 55806000
SUMPS			CONSTANT SPEED DRIVE-OIL-SYSTEM							
SUMPS			OIL-TANK-ENGINE	AIR	5.66572	15.0773	408	.353	63	1114 55808000
SUMPS			OIL-TANK-ENGINE	AIR	9.84969	18.2705	200	.50741	65	1198 55810000
SUMPS			OIL-TANK-ENGINE	AIR	20.0668	35.2264	200	.299	63	1114 55812000
SUMPS			OIL-TANK-ENGINE	AIR	20.6416	34.7101	200	.33912	65	1198 55814000

100 N.O.C.

PART CLASS	3-5 TANKS/PART PARTS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 COMP LIMIT	PART POPULATION	PART HOURS	VR	CROSS REF DATA INDEX RPT SPACE REF NO
200	N.O.C.							
SUMPS-BEATING	NO-6 ENGINE/COMBUSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	0	13.4975	384	.1645	66	1250 55816000
SUMP-S.OIL-DRAIN TANK	AIR-800. (6-MILES)	GRD	16.2074M	63.0421M	15	.0617M	66	1253 55818500
TANK-CELL		MSL	1				58	212 55820000
TANK-CELL		MSL	9	460.52		.005	57	212 55822000
TANK-ENGINE-HRD-FIRE-EXTINGUISHER	AIR SMP 648 10	AIR					58	212 55824000
TANK-ENGINE-HRD-FIRE-EXTINGUISHER	AIR	AIR					65	2360 55826000
TANK-ENGINE-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-000	AIR					64	2360 55828000
TANK-ENGINE-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-000	AIR	113P				64	2360 55830000
TANK-ENGINE-OIL	OIL-800	AIR	40P				64	2360 55832000
TANK-ENGINE-OIL	OIL-850	AIR	40P				64	2360 55834000
TANK-ENGINE-OIL	OIL-840	AIR	80P				64	2360 55836000
TANK-ENGINE-OIL	OIL-88C	AIR	40P				64	2360 55838000
TANK-ENGINE-OIL	OIL-800	AIR	140P				64	2360 55840000
TANK-ENGINE-OIL	OIL-300	AIR	200P				64	2360 55842000
TANK-FUEL	WING	AIR	21-3556	28.273		1.077	63	211 55844000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-1318	AIR	40P				65	2362 55846000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-131	AIR	40P				64	2362 55848000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-331	AIR	80P				64	2362 55850000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-331	AIR	90P				64	2362 55852000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-131	AIR	170P				64	2362 55854000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-1318	AIR	180P				64	2362 55856000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-3318	AIR	240P				64	2362 55858000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-1318	AIR	270P				64	2362 55860000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-331	AIR	430P				64	2362 55862000
TANK-INTEGRAL-FUEL		AIR	16.3				61	212 55864000
TANK-PASSENGER-WATER	WATER/WASTE-707-131	AIR	1635				57	211 55866000
TANK-PASSENGER-WATER	WATER/WASTE-707-331	AIR	110P				64	2362 55868000
TANK-PASSENGER-WATER	WATER/WASTE-707-331	AIR	310P				64	2362 55870000
TANK-PASSENGER-WATER	WATER/WASTE-707-331	AIR	510P				64	2362 55872000
TANK-SMALL-HIGH-PRESSURE		AIR	510P				64	2362 55874000
TANK-SMALL-LB-PRESSURE		AIR	75.8				57	211 55876000
TANK-UNIT-WATER-QUANTITY	WATER/WASTE-727	AIR	174				57	211 55878000
TANK-WASTE-WATER	WATER/WASTE-707-131	AIR	190P				64	2360 55880000
TANK-ENG-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-000	AIR	150P				65	2365 55882000
TANK-ENG-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-000	AIR	130P				64	2363 55884000
TANK-ENG-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-000	AIR	190P				64	2363 55886000
TANK-ENG-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-000	AIR	230P				65	2343 55888000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-331C/373C	AIR	380P				65	2345 55890000
TANK-HRD-FIRE-EXTINGUISHER	FIRE-PROTECTION-331C/373C	AIR	630P				66	2345 55892000
UNIT-FIRE								



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	805 TANKS/TANK PARTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER SO CONF LIMIT	PART PARTU- LATION HOURS	YR OF DATA INDEX	CROSS RPT SRCE REF NO
PART DESCRIPTION								
.00 N.O.C.								
TANK-MOT-WATER		WATER/WASTE. 707-331B	AIR	80P			66 2364	5594-0006
TANK-MRD-FIRE-EXTINGUISHER		FIRE-PROTECTION. 331C/373C	AIR	133P			66 2363	5589-0000
TANK-MRD-FIRE-EXTINGUISHER		FIRE-PROTECTION. 331C/373C	AIR	140P			63 2363	5589-0000
TANK-MRD-FIRE-EXTINGUISHER		FIRE-PROTECTION. 331C/373C	AIR	250P			66 2363	5590-0000
TANK-PASSENGER-WATER		WATER/WASTE. 707-131	AIR	110P			64 2364	5590-0000
TANK-PASSENGER-WATER		WATER/WASTE. 707-331	AIR	160P			66 2364	5590-0000
TANKS			LAB	.15			63 1138	5590-0000
TANKS		WATER-SYSTEM	AIR	40.453	157.35	.02472	65 1227	5590-0000
TANKS		HYDRAULIC-POWER-SUPPLY	AIR	48.4316	72.6268	.22854	65 1228	5591-0000
TANKS		HYDRAULIC-POWER-SUPPLY	AIR	51.3347	81.0288	.17532	64 1179	5591-0000
TANKS		WATER-INJECTION-SYSTEM	AIR	73.752	325.77	.01194	63 1111	5591-0000
TANKS		HYDRAULIC-POWER-SUPPLY	AIR	84.0011	96.7616	1.0357	67 1272	5591-0000
TANKS-BLADDER		AUXILIARY FUEL-SYSTEM	AIR	3.79071	19.061	.529	63 1114	5591-0000
TANKS-BLADDER		AUXILIARY FUEL-SYSTEM	AIR	134.228	181.51	.149	63 1114	5592-0000
TANKS-BLADDER-TOROIDAL			LAB	0	7675.33C	.0003C	62 1085	5592-0000
TANKS-BOTTLE		BOMBING-NAVIG-SYSTEM	AIR	291.466	490.454	.024	63 1111	5592-0000
TANKS-BOTTLE		TURRET-PNEUMATIC-SYSTEM	AIR	416.466	772.891	.012	63 1111	5592-0000
TANKS-BOTTLE-AIR			AIR	228.571	.71.277	.035	61 1082	5592-0000
TANKS-BOTTLE-AIR-375-CV-IN.			AIR	0	26.9235	.07961	63 1123	5593-0000
3000PSI								
TANKS-BOTTLE-COOLANT			AIR	422.764	550.195	.0615	66 1263	5593-0000
TANKS-BOTTLE-MELTUP.			GRD	0	2172.26	.00106	65 1171	5593-0000
ALUMINUM-SUPPLY-3300PSI			GRD	0	5756.5C	.0004C	64 1171	5593-0000
TANKS-BOTTLE-H2O2-INTERNAL-REPLACEMENT-BLADDER			AIR	18.6766	32.7735	.32136	65 1227	5593-0000
TANKS-BOTTLE-OXYGEN			AIR	32.298	85.8435	.062	63 1114	5594-0000
PORTABLE-SYSTEM			AIR	49.0964	71.5394	.25	63 1114	5594-0000
TANKS-BOTTLE-OXYGEN			AIR	70.8945	89.486	.4634	65 1198	5594-0000
PORTABLE-SYSTEM			AIR	73.9448	94.7676	.36072	67 1198	5594-0000
TANKS-BOTTLE-OXYGEN			AIR	158.967	183.426	.5347	66 1250	5594-0000
TANKS-BOTTLE-OXYGEN			AIR	298.812	347.715	.25434	63 1198	5594-0000
PORTABLE-SYSTEM			AIR	320	373.962	.225	63 1114	5594-0000
TANKS-BOTTLE-OXYGEN			AIR	111.111	180.481	.072	63 1111	5594-0000
PORTABLE-SYSTEM			GRD	504.329	1011.84	.0074	62 1135	5594-0000
TANKS-BOTTLE-PRESSURE			AIR	76.6871	188.341	.326	61 1083	5594-0000
TANKS-BOTTLE-AND-CONTROLS								
OXYGEN								
MA-1								
TUNING-DRIVEN-POWER-UNIT								

# HOME AIR DEVELOPMENT CENTER, CRIPPISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## MODEL/TAS/CL PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	905 TANKS/TANK PARTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART CATEGORY	TIME OF DATA ENTRY	CROSS REF NO
.00	N.O.C.							
TANKS-BOTTLE-AND-CONTROLS-OXYGEN			AIR	95.238	190.322	.042	61	1082 85940000
TANKS-CELL			AIR	920	1218.13	.025	66	1223 55962000
TANKS-CELL-FUEL		ENGINE-FUEL-SYSTEM	MELT	11.554	39.7449	.1731	66	1237 55964000
TANKS-CELL-FUEL			MELT	31.5935	84.0005	.0433	66	1257 55966000
TANKS-CELL-FUEL		(M-FILES)	GRD	128.6528	216.6118	.0837	66	1252 55968000
TANKS-CELL-FUEL			AIR	1.93104	5.13884	1.0357	67	1272 55970000
INVERTED-FLIGHT								
TANKS-CELL-FUEL			AIR	181.505	207.931	.51784	67	1272 55972000
AFT-FUSELAGE								
TANKS-CELL-FUEL			AIR	61.7891	78.2844	.51789	67	1272 55974000
CENTER-FUSELAGE								
TANKS-CELL-FUEL			AIR	15.4472	25.0916	.51789	67	1272 55976000
FORWARD-DORSAL								
TANKS-CELL-FUEL			AIR	131.302	154.137	.51789	67	1272 55978000
FORWARD-FUSELAGE								
TANKS-CELL-FUEL-AFT-FUSELAGE			AIR	125.484	189.346	.08764	64	1179 55980000
TANKS-CELL-FUEL-AFT-FUSELAGE								
TANKS-CELL-FUEL-AFT-FUSELAGE			AIR	236.282	905.935	.11427	65	1222 55982000
TANKS-CELL-FUEL-AFT-FUSELAGE								
TANKS-CELL-FUEL-AFT-DORSAL			AIR	9.65494	17.9086	.51789	67	1272 55984000
TANKS-CELL-FUEL-AFT-DORSAL			AIR	11.4077	44.3725	.08764	64	1179 55986000
TANKS-CELL-FUEL-AFT-DORSAL			AIR	26.2534	58.465	.11427	65	1226 55988000
TANKS-CELL-FUEL-BLADDER-TYPE FUSELAGE			AIR	33.8791	75.4464	.08855	63	1123 55990000
TANKS-CELL-FUEL-CENTER-FUSELAGE			AIR	34.2231	76.2126	.08764	64	1179 55992000
TANKS-CELL-FUEL-CENTER-FUSELAGE								
TANKS-CELL-FUEL-CENTER-FUSELAGE			AIR	78.7608	124.313	.11427	65	1228 55994000
TANKS-CELL-FUEL-FORWARD-DORSAL			AIR	11.4077	44.3725	.08764	64	1179 55996000
TANKS-CELL-FUEL-FORWARD-DORSAL								
TANKS-CELL-FUEL-FORWARD-FUSELAGE			AIR	17.5024	46.5765	.11427	65	1228 55998000
TANKS-CELL-FUEL-FORWARD-FUSELAGE			AIR	113.765	165.904	.11427	65	1228 56000000
TANKS-CELL-FUEL-FORWARD-FUSELAGE			AIR	134.892	202.844	.08764	64	1179 56002000
TANKS-CELL-FUEL-INVERTED-FLIGHT								
TANKS-CELL-FUEL-INVERTED-FLIGHT			AIR	9	13.1334	.1732	67	1179 56004000
TANKS-CELL-FUEL-INVERTED-FLIGHT			AIR	4.3754	17.0197	.22854	65	1228 56006000
TANKS-CELL-FUEL-L/H-AND-N/H-FRONT			AIR	80.5071	130.17	.09937	63	1123 56008000
TANKS-CELL-FUEL-L/H-AND-N/H-FRONT								
TANKS-CELL-FUEL-L/H-AND-N/H-FRONT			AIR	40.9021	66.7793	.17114	65	1123 56010000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	805 TANKS/TANK PARTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SPCR REF NO	
.00 N.O.C.									
TANKS-CELL-FUEL-L/N-AND-R/N-PROPT. OUTBOARD			AIR	99.3338	137.934		.17114	63	1123 54012000
TANKS-CELL-FUEL-L/N-AND-R/N-REAR. INBOARD			AIR	19.0433	39.1436		.09937	63	1123 54014000
TANKS-CELL-FUEL-L/N-AND-R/N-REAR. OUTBOARD			AIR	81.8043	117.411		.17114	63	1123 54014000
TANKS-CELL-FUEL-MIL-T-0239A			HELI	1044.44	1351.42	120	.03	65	1213 54018000
TANKS-CELL-FUEL-POWER-PLANT			AIR	96.3141	109.582	630	1.0798	65	1135 54020000
TANKS-CELL-FUEL-R/N-REAR. AFT-FUSELAGE			AIR	11.293	43.9265		.08855	65	1123 54022000
TANKS-FUEL			AIR	1515.15	5893.48	6	.96066	62	1127 54024000
TANKS-FUEL-AUXILIARY. 60 GAL. 120 PSI-PROPT			HELI	333.333	450.751	240	.06	65	1215 54026000
TANKS-FUEL-BODY-AFT			AIR	9	192.847	31	.01194	63	1131 54028000
TANKS-FUEL-BODY-FORWARD			AIR	9	192.847	31	.01194	63	1131 54030000
TANKS-FUEL-BODY-MID			AIR	9	192.847	31	.01194	63	1131 54032000
TANKS-FUEL-CAVITY-TYPE			AIR	9	5.31472	488	.2472	65	1227 54034000
TANKS-FUEL-CAVITY-TYPE			AIR	7.29394	16.2431	760	.4113	66	1250 54036000
TANKS-FUEL-EXTERNAL			AIR	1946.8	2103.35		.14588	64	1241 54038000
TANKS-FUEL-EXTERNAL-MING. LM-EJECTOR-PYLON			AIR	620.372	683.743		.29176	66	1241 54040000
TANKS-FUEL-INTERNAL-REMOVABLE-NON-SEAL. MILT6396			HELI	140.184	196.994	131	.107	64	1234 54042000
TANKS-FUEL-NON-SELF-SEALING-FUSELAGE			AIR	508.387	679.192		.2384	66	1263 54044000
TANKS-FUEL-MING-CENTER			AIR	147.504	445.753	31	.01194	63	1111 54046000
TANKS-FUEL-MING-EXTERNAL			AIR	9	96.4641	62	.02387	63	1111 54048000
TANKS-FUEL-MING-MAIN			AIR	502.617	641.435	124	.04775	62	1111 54050000
TANKS-FUEL-MING-OUTBOARD			AIR	795.978	1085.15	62	.02387	63	1111 54052000
TANKS-FUEL-COLLECTOR-VENT. FUEL-SYSTEM			AIR	9	4.94673	400	.46548	92	1128 54054000
TANKS-GLYCER			AIR	54.5454	121.469	320	.055	61	1086 54056000
TANKS-MELTUM			LAR	.07				63	1138 54058000
TANKS-MELTUM			LAR	2000C	7775.4C	4	.0009C	92	1085 54060000
TANKS-MOT-WATER			AIR	20P				66	2361 54062000
TANKS-MOT-WATER			AIR	70P				65	2361 54064000
TANKS-MYDRAULIC			AIR	9	44.3734	94	.04944	65	1227 54066000
TANKS-MYDRAULIC			AIR	9	27.9917	152	.04226	66	1250 54068000
TANKS-MYDRAULIC-QUANTITY			AIR	130P				66	2362 54070000
TANKS-MYDRAULIC-QUANTITY			AIR	150P				66	2362 54072000
TANKS-MYDRAULIC-QUANTITY			AIR	160P				65	2362 54074000
TANKS-MYDRAULIC-QUANTITY			AIR	300P				65	2362 54076000
TANKS-MYDRAULIC-QUANTITY			AIR	600P				66	2362 54078000
TANKS-MYDRAULIC-QUANTITY			AIR	1240P				66	2362 54080000

WATER/WASTE-707-1318  
WATER/WASTE-707-3318  
BEAM-POSITIONER-MAIN-LANDING-GEAR  
BEAM-POSITIONER-LANDING-GEAR-MAIN  
HYDRAULIC-POWER-707-1318  
HYDRAULIC-POWER-707-1318  
HYDRAULIC-POWER-707-1318  
HYDRAULIC-POWER-707-1318  
HYDRAULIC-POWER-707-331  
HYDRAULIC-POWER-707-331

NAME AIR DEVELOPMENT CENTER, GRIPPLISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

MODEL/ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	605 TANKS/TANK PARTS	UPPER PART	90 CONF	PART	DATA INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	LIMIT	REMARKS	RTY SIZE REF NO
.00 N.B.C.					
TANKS-HYDRAZINE	POWER-UNIT	GRD	1409.48	-2879	62 1135 54082000
TANKS-INDICATING-FUEL-QUANTITY		AIR	41.8371	.097	59 1118 54080000
TANKS-NITROGEN	IMFARED-SYSTEM	AIR	9737.82	.00267	66 1256 54080000A
TANKS-OXYGEN		AIR	64.9004	.03541	63 1111 54080000
TANKS-PASSENGER-WATER	WATER/WASTE-707-131	AIR	1109		66 2361 54090000
TANKS-PASSENGER-WATER	WATER/WASTE-707-331	AIR	1309		65 2361 54092000
TANKS-PASSENGER-WATER	WATER/WASTE-707-331	AIR	60.4026	.149	66 2361 54094000
TANKS-PYLON-EXTERNAL	FUEL-SYSTEM	AIR	18		63 1114 54096000
TANKS-SMALL-PRESSURE		LAB	.08		63 1138 54098000
TANKS-SMALL-PRESSURE-HIGH		LAB	.08		63 1138 54098000
TANKS-TORQUE-MOZ-INTERNAL-CLADDER		GRD	28000C	.0002C	65 1171 54102000
TANKS-SURGE	FUEL-SYSTEM	AIR	64.3004	.03581	63 1111 54104000
TANKS-SURGE-VENT-WING	FUEL-SYSTEM	AIR	279.862	.02387	63 1111 54106000
TANKS-WATER	GALLEY	AIR	19.7848	.11437	65 1198 54108000
TANKS-WATER-20-GALLON	GALLEY	AIR	18.1435	.12691	65 1198 54110000
TANKS-WATER-20-GALLON	GALLEY	AIR	27.1597	.04476	62 1198 54112000
TANKS-WATER-20-GALLON		AIR	21.4833	.80512	65 1196 54114000
.00 PRESUMATIC					
PLANK-AIR	CANOPY/MOSE-GEAR-STRAUT	AIR	9.52381	.169	61 1088 54116000A
TANKS-BOTTLE		AIR	133.997	.8433	64 1263 54118000
.00 OIL					
TANKS-ENGINE	ENGINE-SYSTEM	AIR	333.333	.216	63 2109 54120000
TANKS-ENGINE		AIR	1221.05	.095	63 2128 54122000
TANKS-ENGINE		AIR	1379.56	.1645	64 1258 54124000
TANKS-ENGINE	AUXILIARY-POWER-PLANT	AIR	13.9975	.04113	64 1258 54126000
TANKS-ENGINE	CONSTANT-SPEED-ORIVE-SYSTEM	AIR	55.9834	.1645	64 1258 54128000
TANKS-ENGINE	ENGINE	MELI	12.158	.0306	64 1257 54130000
TANKS-ENGINE	ENGINE	MELI	144.908	.01267	64 1257 54132000
TANKS-ENGINE	WATER-SYSTEM	AIR	236.779	.04113	64 1250 54134000
TANKS-ENGINE	ENGINE	AIR	316.07	.0955	63 1111 54136000
TANKS-ENGINE	AUX-POWER-PLANT	AIR	24.1109	.02472	65 1227 54138000
TANKS-ENGINE	ENGINE-LUBRICATION	AIR	93.1472	.04969	63 1123 54140000A
TANKS-ENGINE	ENGINE	AIR	46.3393	.46548	65 1198 54142000
TANKS-ENGINE	ENGINE	AIR	2.14832	.33912	63 1198 54144000
TANKS-ENGINE	ENGINE	AIR	2.9488	.294	63 1114 54146000
TANKS-ENGINE	ENGINE	AIR	3.34448	.09886	65 1227 54148000
TANKS-ENGINE	ENGINE-SYSTEM	AIR	10.1132	.055	61 1088 54150000A
TANKS-ENGINE	CONSTANT-SPEED-ORIVE	AIR	18.1816	.09888	65 1227 54152000
TANKS-ENGINE	CONSTANT-SPEED-ORIVE-SYSTEM	AIR	20.2265	.04775	63 1111 54154000
TANKS-ENGINE	GENERATOR-ORIVE-SYSTEM	AIR	20.9424		

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	805 TANKS/TANK PARTS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION HOURS	YR OF DATA INDEX	CR935 RPT SACE REF NO
-90 OIL									
TANKS-OIL	PROPULSION-SYSTEM	AIR	153.139	507.324	84	0.1284	64	1240	24150000
TANKS-OIL	POWER-PLANT	AIR	166.689	208.26	126	0.2197	65	1153	54158000
TANKS-OIL	ENGINE-MIL-T-6396A	MELI	200	351.07	120	0.03	63	1215	54160000
TANKS-OIL	ENGINE	AIR	206.843	235.14	290	0.50743	69	1198	54162000
TANKS-OIL	ENGINE	AIR	237.96	274.311	408	0.353	63	1114	54164000

HOME AIR DEVELOPMENT CENTER, ORIOLESS AFB, B.Y.  
SECTION 1 FAILURE DATA

NON-ELECTRONIC PART FAILURE DATE DATA JANUARY 1962

PART CLASS	SUB THERMOCYCLES	FUNCTIONAL APPLICATION	ENVIRONMENT TYPE	FAILURE RATE		PART TYPE	PART LAYERS	PART HOURS	YR	CROSS
				PERCENT	PERCENT					
APU		FIRE-DETECTION	AIR	18.3000	25.2732			7.357	63	2517
APU		AIRBORNE-AUXILIARY-POWER-UNIT	AIR	2000					64	2307
APU		AIRBORNE-AUXILIARY-POWER-UNIT	AIR	4100					65	2303
AUXILIARY-POWER-UNIT		AIRBORNE-AUXILIARY-POWER	AIR	2000					66	2303
AUXILIARY-POWER-UNIT		AIRBORNE-AUXILIARY-POWER	AIR	4000					67	2303

.00 H.O.C.

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	811 TIMERS AND PROGRAMMERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LABEL	PART HOURS	YR RPT	CROSS DATA INDEX
PART DESCRIPTION									
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-1318	AIR	480P	55	2362	56176000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-3318	AIR	490P	56	2362	56176000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-331C/373C	AIR	510P	66	2365	56180000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-131	AIR	910P	65	2362	56182000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-331	AIR	1010P	66	2362	56184000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-3318	AIR	1140P	66	2362	56186000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-1318	AIR	1350P	66	2362	56188000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-1318	AIR	1470P	66	2362	56190000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-131	AIR	1480P	66	2362	56192000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-331	AIR	1710P	65	2362	56194000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-131	AIR	1830P	66	2362	56196000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-331	AIR	1A60P	66	2362	56198000			
PROGRAMMER-CONTROL-CABIN	AIR-CONDITIONING-707-3318	AIR	2100P	65	2362	56200000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	250P	66	2362	56202000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	490P	66	2362	56204000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-331C/373C	AIR	500P	66	2365	56206000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	690P	66	2362	56208000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-1318	AIR	800P	65	2362	56210000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-331	AIR	1010P	66	2362	56212000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	1050P	65	2362	56214000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-1318	AIR	1210P	66	2362	56216000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-331	AIR	1360P	66	2362	56218000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-331C/373C	AIR	1960P	65	2365	56220000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-1318	AIR	2020P	66	2365	56222000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-331	AIR	2210P	66	2362	56224000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	2390P	65	2362	56226000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	2420P	66	2362	56228000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-331C/373C	AIR	2510P	66	2363	56230000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-331C/373C	AIR	1357P	66	2363	56232000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING	AIR	1610P	66	2363	56234000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	230P	66	2364	56236000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	390P	66	2364	56238000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	470P	66	2361	56240000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-331C/373C	AIR	460P	65	2360	56242000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	460P	66	2361	56244000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-331C/373C	AIR	480P	66	2361	56246000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-331	AIR	500P	66	2360	56248000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	670P	66	2361	56250000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	681P	65	2361	56252000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-331	AIR	770P	65	2361	56254000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-131	AIR	780P	66	2361	56256000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-1318	AIR	840P	65	2361	56258000			
PROGRAMMER-MAIN-CABIN	AIR-CONDITIONING-707-3318	AIR	850P	66	2364	56260000			

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# ROME AIR DEVELOPMENT CENTER, GRIFFLISS AFB, MS. SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

## PART CLASS ON TITERS AND PROGRAMMERS

### PART DESCRIPTION FUNCTIONAL APPLICATION

.00 M.G.C.

UPPER 93 CONF  
 PART PART-  
 LATION  
 PART  
 HOURS  
 YR  
 OF DATA  
 CROSS  
 INDEX  
 RPT  
 SOURCE  
 REF NO

FAILURE RATE

ENVIRONMENT

PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	896P	66	2364	56280000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	920P	66	2361	56240000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	940P	66	2364	56270000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	1010P	66	2364	56272000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	1030P	66	2361	56274000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	1090P	65	2364	56274000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	1100P	66	2361	56276000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1200P	66	2364	56276000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1200P	65	2361	56282000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	1270P	65	2364	56284000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1310P	66	2361	56284000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	1850P	65	2364	56288000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	2100P	66	2364	56290000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	220P	66	2361	56292000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	260P	65	2361	56294000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	340P	65	2361	56296000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	670P	66	2364	56298000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	680P	66	2364	56300000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	840P	66	2361	56302000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	910P	66	2361	56304000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	930P	65	2361	56306000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331C	AIR	940P	66	2360	56308000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131	AIR	1090P	65	2364	56310000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1120P	65	2364	56312000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1490P	66	2361	56314000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	1550P	66	2364	56316000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1790P	66	2361	56320000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	1790P	66	2361	56322000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	1800P	65	2361	56324000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	1850P	65	2364	56326000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	1860P	65	2360	56328000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	2100P	66	2364	56330000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331B	AIR	2110P	65	2364	56332000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331C	AIR	2500P	66	2360	56334000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	2520P	66	2361	56336000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-131B	AIR	2540P	66	2364	56338000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	2690P	66	2364	56340000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	2690P	57	212	56342000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	2690P	57	212	56344000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	29.7397	63	2117	56346000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	250P	66	2361	56348000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	24.074	63	2105	56350000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	2	66	2M1	56352000
PROGRAMMERS. CONTROL - CABIN	AIR-CONDITIONING. 707-331	AIR	2.19881	66	251	56354000



POPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS ALL TIMERS AND PROGRAMMERS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART LATION	PART HOURS	YR OF DATA	CROSS INDEX
TIME-ELECTRONIC								
TIME-EXPLOSIVE	AIR-CONDITIONING-707-131	AIR	0	6.91807		.3328	66 252	56350000A
TIME-INTERVAL	AIR-CONDITIONING-707-331B	AIR	0	.355014		6.4720	66 252	56350000A
TIME-SEQUENTIAL	AIR-CONDITIONING-707-131B	AIR	1.49367	2.7703		3.3479	66 252	56350000A
TIME-THERMAL	AIR-CONDITIONING-707-331	AIR	.165536	.368637		16.123	66 252	56350000A
TIME-TIME-DELAY	AIR-CONDITIONING-707-131	AIR	5				66 2M1	56350000A
TIME-TOILET	AIR-CONDITIONING-707-331B	AIR	675.675	1350.26		.00592	66 2132	56350000A
TIME-TOILET	WATER/WASTE-707-131B	AIR	50P				66 2362	56350000A
TIME-TOILET	WATER/WASTE-707-131B	AIR	60P				65 2362	56370000A
TIME-TOILET	WATER/WASTE-707-131B	AIR	60P				66 2362	56370000A
TIME-TOILET	WATER/WASTE-707-331B	AIR	150P				66 2362	56370000A
TIME-TOILET	WATER/WASTE-707-331B	AIR	170P				66 2362	56370000A
TIME-TOILET	WATER/WASTE-707-331B	AIR	300P				66 2360	56370000A
TIME-ELAPSED-TIME-INDICATOR	WATER/WASTE-331C/373C	AIR	4.04841	9.01355		.74103	65 212	56390000A
TIME-TOILET	WATER/WASTE-707-131B	AIR	50P				66 2364	56382000A
TIME-TOILET	WATER/WASTE-707-331B	AIR	AC-P				65 2364	56384000A
TIME-TOILET	WATER/WASTE-707-131B	AIR	110P				66 2364	56386000A
TIME-TOILET	WATER/WASTE-707-331B	AIR	120P				66 2364	56388000A
TIME-TIMERS	DE-ICING-PROPELLER-ASSEMBLY	AIR	0	19.7068	100	.11637	65 1198	56390000A
TIME-TIMERS		LAB	1-2				63 1138	56392000A
TIME-TIMERS		MSL	3				57 212	56394000A
TIME-TIMERS	DE-ICING-PROPELLER-ASSEMBLY	AIR	31.5183	62.9859	50	.12691	65 1198	56396000A
TIME-TIMERS	DE-ICING-HYDROMATIC-PROPELLER	AIR	45.4545	90.8557	102	.086	63 1114	56400000A
TIME-TIMERS	DE-ICING-PROPELLER-ASSEMBLY	AIR	70.7714	124.228	50	.08478	63 1198	56402000A
TIME-TIMERS	DE-ICING-HYDROMATIC-PROPELLER	AIR	80	140.428	50	.075	63 1114	56404000A
TIME-TIMERS	MEMORY-POINT-BOMB-NAVIGATION-COMPUTER-AS09	AIR	83.752	325.77	31	.01194	63 1111	56406000A
TIME-TIMERS	RELEASE-EJECTION-SEAT-PILOT	AIR	264.46	327.45		.14747	66 1241	56408000A
TIME-TIMERS		GRO	556				57 212	56410000A
TIME-TIMERS		SUB	1000	3885.7	30	.001	65 1244	56412000A
TIME-TIMERS		MSL	2787				57 212	56414000A
TIME-TIMERS		SUB	490.196	1906.71	9	.00204	64 1141	56416000A
TIME-TIMERS		SUB	1452.28	2442.69	30	.00482	65 1246	56418000A
TIME-TIMERS	PANEL-ASSEMBLY	SUB	9090.9	20244.8	30	.00033	65 1246	56420000A
TIME-TIMERS		SUB	4301.07	8395.21	5	.00093	65 1246	56422000A
TIME-TIMERS		SUB						
TIME-TIMERS	AIR-CONDITIONING-707-131B	AIR	60P				66 2361	56424000A
TIME-TIMERS	AIR-CONDITIONING-707-331B	AIR	70P				66 2361	56426000A
TIME-TIMERS	AIR-CONDITIONING-707-131	AIR	130P				65 2361	56428000A

UO M.B.C.

PART CLASS														011 TIMERS AND PROGRAMMERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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HOME AIR DEVELOPMENT CENTER, CRIPPS AFB, N.Y.  
SECURITY  
FAILURE RATE DATA

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ROSC AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.  
SECTION 1 - FAILURE RATE DATA

MODEL ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	QTY TYP	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOURS	WT OF DATA	CROSS INDEX
PART DESCRIPTION								REF	REF NO
.00 M.B.C.									
ELEVATOR									
NOSE-CAP		NOSE-CAP-ELEVATOR-CONTROL-SYSTEM	AIR	0	46.5734	96	.04944	65	1227 54514000
PLASTIC-STABILIZER-VERTICAL		CONTROL-ELEVATOR-ASSEMBLY	AIR	0	9.89344	200	.23274	65	1198 54516000
PLASTIC-STABILIZER-VERTICAL		ELEVATOR-FLIGHT-CONTROL	AIR	0	46.5734	96	.04944	65	1227 54513000
RUDDER-ASSEMBLY		AILERON-CONTROL-SYSTEM	AIR	0	46.5734	96	.04944	65	1227 54520000
SENSING-PRESSURE-AIR		AILERON-CONTROL-SYSTEM	AIR	0	27.9917	152	.08224	64	1250 54527000
STABILIZER-HORIZONTAL		FLIGHT-CONTROL	AIR	0	27.9917	152	.08224	64	1250 54527000
STABILIZER-HORIZONTAL		ELEVATOR-CONTROL-SYSTEM	AIR	0	27.9917	152	.08224	64	1250 54527000
STABILIZER-HORIZONTAL		FUSELAGE	AIR	22.8134	60.7152	404	.04744	64	1175 54528000
STABILIZER-HORIZONTAL		PLASTIC-STABILIZER-VERTICAL	AIR	35.0048	69.9531	473	.11427	65	1228 54533000
STABILIZER-HORIZONTAL		FUSELAGE	AIR	173.782	199.493	597	.51784	67	1272 54533000
STABILIZER-HORIZONTAL		FUEL-CONTROL	AIR	0	19.7868	100	.11437	65	1198 54534000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	19.5201	21.0833	969	.27914	65	1221 54534000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	46.5734	96	.04944	65	1227 54538000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	27.9917	152	.08224	64	1250 54540000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	9.07178	100	.25382	65	1198 54542000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	4.29644	16.7124	200	.23274	65	1198 54544000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	5.89761	22.9399	100	.16956	63	1198 54546000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	6.7114	26.1053	100	.149	63	1114 54548000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	19.7868	100	.11437	65	1198 54550000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	27.1597	50	.08478	63	1198 54552000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	18.1435	50	.12691	65	1198 54554000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	22.8134	42.594	812	.17532	64	1179 54556000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	41.8935	162.953	42	.02387	63	1111 54558000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	48.1314	72.628	944	.22894	65	1228 54560000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	227.865	248.874	1194	1.0597	67	1272 54562000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	0	27.9917	152	.08224	64	1250 54564000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	20.2245	79.6751	96	.04944	65	1227 54566000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	12.8899	26.7049	200	.23274	65	1198 54568000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	15.7991	31.4929	100	.25382	65	1198 54570000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	17.0454	37.959	204	.176	63	1114 54572000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	17.6928	39.4008	100	.16556	63	1198 54574000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	20.1342	44.8375	100	.149	63	1114 54576000
STABILIZER-HORIZONTAL		EMPERNAGE	AIR	32.258	125.474	136	.031	63	1114 54578000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

# MONTELECTRONIC PART FAILURE RATE DATA

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HOME AIR DEVELOPMENT CENTER, CRIPPLISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MECHANISTIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	816 T6015	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART TYPE-LABEL	TM OF DATA RPT	CROSS INDEX REF NO
PART DESCRIPTION								
.01 CUTTER		ASSEMBLY-RESCUE-MOIST-SYSTEM	MELT	298.768	612.000	100	63	1118 56440000
		ASSEMBLY-RESCUE-MOIST-SYSTEM	MELT	347.447	1589.92	100	63	1118 56440000
.02 EXPANDER		BEARING-TURBINE-PAINT-POWER-SECTION	AIR	281.879	1.92821	1116	63	1201 56470000
		BEARING-TURBINE-PAINT-POWER-SECTION	AIR	2.63754	10.2592	600	65	1201 56470000
.03 FORMER		INTERCRYSTAL S. WING-CENTER BOX-BEAR	AIR	0	55.9834	74	64	1290 56470000
		INTERCRYSTAL S. WING-CENTER BOX-BEAR	AIR	0	93.1472	48	65	1227 56470000
		INTERCRYSTAL S. WING-INNER	AIR	0	93.1472	48	65	1227 56470000
		INTERCRYSTAL S. WING-INNER	AIR	0	55.9834	74	64	1290 56470000
		INTERCRYSTAL S. WING-OUTBOARD	AIR	0	55.9834	74	64	1290 56470000
		INTERCRYSTAL S. WING-OUTBOARD	AIR	0	93.1472	48	65	1227 56470000
		RUGGER	AIR	0	55.9834	74	64	1290 56470000
		RUGGER	AIR	0	93.1472	48	65	1227 56470000
		STRINGERS	AIR	0	27.1597	56	63	1190 56470000
		STRINGERS	AIR	0.59328	33.4252	102	65	1190 56470000
		STRINGERS	AIR	11.3636	44.2011	102	63	1114 56470000
		STRINGERS	AIR	23.2804	82.717	50	63	1190 56470000
		STRINGERS	AIR	66.6666	250.313	68	63	1114 56470000
		STRINGERS	AIR	68.7462	111.647	100	65	1190 56470000
		STRINGERS	AIR	13.7591	41.9375	50	65	1190 56470000
		BOX-BEAR	AIR	26.6666	70.904	50	63	1114 56470000
		BOX-BEAR	AIR	0.75				

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1958

PART CLASS	BIT TRANSCENDERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA	CROSS INDEX
								RPT	SACE REF NO
000	N.B.C.C.								
DUPLIXER									
OXYGEN-PRESSURE		ONE-DC-B	AIR	170				66	2380 56704000
OXYGEN-PRESSURE		RADAR-DC-B	AIR	960				66	2380 56704000
OXYGEN-PRESSURE		VHF-COMMUNICATION	AIR	1090				66	2380 56710000
OXYGEN-PRESSURE		VHF-COMMUNICATION	AIR	2720				66	2380 56712000
KALAN								59	214 56714000
RECEIVER		OXYGEN-707-131B	AIR	1150				66	2361 56716000
RECEIVER		OXYGEN-707-131B	AIR	130P				66	2361 56718000
RECEIVER		OXYGEN-707-131B	AIR	140P				66	2361 56720000
RECEIVER		RADAR-B-72C	AIR	0				66	2380 56722000
RECEIVER		MARKER	AIR	190				66	2380 56724000
RECEIVER		ADP	AIR	2560				66	2380 56726000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	720P				66	2360 56728000
RECEIVER-ADF		NAVIGATION-707-331B	AIR	730P				66	2360 56730000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	980P				65	2365 56732000
RECEIVER-ADF		NAVIGATION-707-131B	AIR	1030P				66	2362 56734000
RECEIVER-ADF		NAVIGATION-880	AIR	1060P				66	2365 56736000
RECEIVER-ADF		NAVIGATION-727	AIR	1180P				66	2365 56738000
RECEIVER-ADF		NAVIGATION-727	AIR	1200P				66	2360 56740000
RECEIVER-ADF		NAVIGATION-727	AIR	1320P				65	2365 56742000
RECEIVER-ADF		NAVIGATION-707-131B	AIR	1420P				66	2362 56744000
RECEIVER-ADF		NAVIGATION-707-131B	AIR	1840P				65	2362 56746000
RECEIVER-ADF		NAVIGATION-880	AIR	1850P				65	2365 56748000
RECEIVER-ADF		NAVIGATION-727	AIR	1920P				66	2365 56750000
RECEIVER-ADF		NAVIGATION-727	AIR	1960P				66	2360 56752000
RECEIVER-ADF		NAVIGATION-707-331	AIR	2010P				66	2362 56754000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	2010P				66	2365 56756000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	2020P				66	2365 56758000
RECEIVER-ADF		NAVIGATION-707-131	AIR	2100P				66	2362 56760000
RECEIVER-ADF		NAVIGATION-707-331B	AIR	2100P				65	2362 56762000
RECEIVER-ADF		NAVIGATION-880	AIR	2140P				65	2360 56764000
RECEIVER-ADF		NAVIGATION-880	AIR	2270P				66	2360 56766000
RECEIVER-ADF		NAVIGATION-727	AIR	2330P				65	2360 56768000
RECEIVER-ADF		NAVIGATION-707-131	AIR	2420P				65	2362 56770000
RECEIVER-ADF		NAVIGATION-880	AIR	2450P				66	2365 56772000
RECEIVER-ADF		NAVIGATION-880	AIR	2460P				66	2360 56774000
RECEIVER-ADF		NAVIGATION-707-331B	AIR	2700P				66	2362 56776000
RECEIVER-ADF		NAVIGATION-707-331	AIR	2870P				66	2362 56778000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	3000P				66	2360 56780000
RECEIVER-ADF		NAVIGATION-707-331	AIR	3070P				65	2362 56782000
RECEIVER-ADF		NAVIGATION-707-131	AIR	3200P				66	2362 56784000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	16300P				65	2360 56786000
RECEIVER-ADF		NAVIGATION-727	AIR	90P				66	2360 56788000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331B	AIR	120P				66	2362 56790000
RECEIVER-GLIDE-SLOPE		NAVIGATION-880	AIR	300P				66	2365 56792000
RECEIVER-GLIDE-SLOPE		NAVIGATION-880	AIR	450P				66	2360 56794000

PART CLASS	BY TRANSCRIPTORS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER PART	PART	DATA INDEX
PART DESCRIPTION			PERCENT	LOCATION	NUMBER	REF NO
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	400P			64 2340 56790000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131	AIR	400P			64 2342 56790000
RECEIVER-GLIDE-SLOPE	NAVIGATION-331C/373C	AIR	400P			65 2345 56800000
RECEIVER-GLIDE-SLOPE	NAVIGATION-331C/373C	AIR	500P			64 2345 56802000
RECEIVER-GLIDE-SLOPE	NAVIGATION-331C/373C	AIR	500P			64 2340 56804000
RECEIVER-GLIDE-SLOPE	NAVIGATION-331C/373C	AIR	510P			64 2345 56806000
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	530P			64 2345 56808000
RECEIVER-GLIDE-SLOPE	NAVIGATION-800	AIR	550P			64 2345 56810000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131B	AIR	560P			65 2342 56812000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131B	AIR	610P			64 2342 56814000
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	610P			65 2345 56816000
RECEIVER-GLIDE-SLOPE	NAVIGATION-800	AIR	630P			65 2340 56818000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131	AIR	650P			64 2342 56820000
RECEIVER-GLIDE-SLOPE	NAVIGATION-331C/373C	AIR	710P			64 2342 56822000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131B	AIR	720P			64 2340 56824000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131B	AIR	740P			64 2342 56826000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-331	AIR	770P			64 2342 56828000
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	820P			65 2340 56830000
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	840P			64 2340 56832000
RECEIVER-GLIDE-SLOPE	NAVIGATION-800	AIR	860P			65 2345 56834000
RECEIVER-GLIDE-SLOPE	NAVIGATION-800	AIR	880P			64 2340 56836000
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	1010P			64 2345 56838000
RECEIVER-GLIDE-SLOPE	NAVIGATION-331C/373C	AIR	1140P			65 2340 56840000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-331	AIR	1370P			65 2342 56842000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131	AIR	1440P			65 2342 56844000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-331	AIR	1600P			64 2342 56846000
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	1640P			65 2342 56848000
RECEIVER-MS	COMMUNICATIONS-331C/373C	AIR	500P			64 2345 56850000
RECEIVER-MS	COMMUNICATIONS-331C/373C	AIR	760P			64 2345 56852000
RECEIVER-MS	COMMUNICATIONS-707-331B	AIR	790P			65 2342 56854000
RECEIVER-MS	COMMUNICATIONS-707-331	AIR	850P			65 2342 56856000
RECEIVER-MS	COMMUNICATIONS-707-331B	AIR	970P			64 2342 56858000
RECEIVER-MS	COMMUNICATIONS-331C/373C	AIR	980P			65 2345 56860000
RECEIVER-MS	COMMUNICATIONS-707-331	AIR	1350P			64 2342 56862000
RECEIVER-MS	COMMUNICATIONS-707-331B	AIR	1420P			64 2302 56864000
RECEIVER-MS	COMMUNICATIONS-331C/373C	AIR	1630P			65 2340 56866000
RECEIVER-MS	COMMUNICATIONS-331C/373C	AIR	1680P			64 2340 56868000
RECEIVER-MS	COMMUNICATIONS-707-331	AIR	1700P			64 2342 56870000
RECEIVER-MS	COMMUNICATIONS-331C/373C	AIR	2500P			64 2340 56872000
RECEIVER-LORAN	NAVIGATION-331C/373C	AIR	500P			64 2340 56874000
RECEIVER-LORAN	NAVIGATION-331C/373C	AIR	1000P			64 2345 56876000
RECEIVER-LORAN	NAVIGATION-331C/373C	AIR	1520P			64 2345 56878000
RECEIVER-LORAN	NAVIGATION-707-331B	AIR	1580P			65 2342 56880000
RECEIVER-LORAN	NAVIGATION-707-331B	AIR	1700P			64 2342 56882000
RECEIVER-LORAN	NAVIGATION-707-331	AIR	1710P			65 2342 56884000

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HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	817 TRANSCIEVERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YA	CROSS OF DATA INDEX
RECEIVER-LORAN		NAVIGATION-707-331	AIR	1860P				65	2362 5688000
RECEIVER-LORAN		NAVIGATION-707-331	AIR	2090P				66	2362 5688000
RECEIVER-LORAN		NAVIGATION-707-331B	AIR	2170P				66	2362 5689000
RECEIVER-LORAN		NAVIGATION-707-331B	AIR	2430P				66	2362 5689000
RECEIVER-LORAN		NAVIGATION-331C/373C	AIR	2440P				65	2365 5689000
RECEIVER-LORAN		NAVIGATION-331C/373C	AIR	2880P				66	2360 5689000
RECEIVER-MARKER		NAVIGATION-707-131B	AIR	130P				66	2360 5689000
RECEIVER-MARKER		NAVIGATION-880	AIR	140P				66	2360 5690000
RECEIVER-MARKER		NAVIGATION-880	AIR	150P				66	2360 5690000
RECEIVER-MARKER		NAVIGATION-707-131B	AIR	150P				66	2362 5690000
RECEIVER-MARKER		NAVIGATION-707-131B	AIR	150P				66	2362 5690000
RECEIVER-MARKER		NAVIGATION-880	AIR	160P				66	2365 5690000
RECEIVER-MARKER		NAVIGATION-727	AIR	200P				66	2365 5691000
RECEIVER-MARKER		NAVIGATION-707-331B	AIR	260P				66	2362 5691000
RECEIVER-MARKER		NAVIGATION-880	AIR	290P				66	2360 5691000
RECEIVER-MARKER		NAVIGATION-880	AIR	300P				66	2360 5691000
RECEIVER-MARKER		NAVIGATION-707-131	AIR	300P				65	2362 5691000
RECEIVER-MARKER		NAVIGATION-727	AIR	300P				65	2365 5692000
RECEIVER-MARKER		NAVIGATION-880	AIR	300P				66	2365 5692000
RECEIVER-MARKER		NAVIGATION-707-331	AIR	310P				66	2362 5692000
RECEIVER-MARKER		NAVIGATION-880	AIR	320P				65	2360 5692000
RECEIVER-MARKER		NAVIGATION-880	AIR	320P				65	2365 5692000
RECEIVER-MARKER		NAVIGATION-727	AIR	370P				66	2360 5693000
RECEIVER-MARKER		NAVIGATION-727	AIR	370P				66	2360 5693000
RECEIVER-MARKER		NAVIGATION-707-131B	AIR	400P				66	2360 5693000
RECEIVER-MARKER		NAVIGATION-727	AIR	430P				66	2363 5693000
RECEIVER-MARKER		NAVIGATION-880	AIR	460P				65	2360 5693000
RECEIVER-MARKER		NAVIGATION-880	AIR	470P				66	2365 5694000
RECEIVER-MARKER		NAVIGATION-331C/373C	AIR	500P				66	2360 5694000
RECEIVER-MARKER		NAVIGATION-727	AIR	550P				65	2360 5694000
RECEIVER-MARKER		NAVIGATION-727	AIR	510P				66	2365 5694000
RECEIVER-MARKER		NAVIGATION-880	AIR	630P				65	2360 5694000
RECEIVER-MARKER		NAVIGATION-727	AIR	640P				66	2365 5695000
RECEIVER-MARKER		NAVIGATION-727	AIR	1120P				66	2360 5695000
RECEIVER-UNIT		NAVIGATION-727	AIR	440				66	2360 5695000
RECEIVER-VHF		NAVIGATION-727	AIR	70P				66	2362 5695000
RECEIVER-VHF		NAVIGATION-707-131B	AIR	800P				66	2360 5695000
RECEIVER-VHF		NAVIGATION-727	AIR	510P				66	2365 5696000
RECEIVER-VHF		NAVIGATION-727	AIR	1000P				66	2365 5696000
RECEIVER-VHF		NAVIGATION-727	AIR	1000P				66	2360 5696000
RECEIVER-VHF		NAVIGATION-707-331	AIR	1010P				66	2362 5696000
RECEIVER-VHF		NAVIGATION-707-331B	AIR	1050P				65	2362 5696000
RECEIVER-VHF		NAVIGATION-707-331	AIR	1160P				65	2360 5697000
RECEIVER-VHF		NAVIGATION-707-331	AIR	1240P				66	2362 5697000
RECEIVER-VHF		NAVIGATION-707-331	AIR	1710P				65	2365 5697000

-00 N.O.C.

COMMUNIST PARTY FAILURE RATE DATA JANUARY 1949

PARTY DESCRIPTION	FUNCTIONAL APPLICATION
1. <u>General Information</u>	1. <u>General Information</u>
2. <u>Organization</u>	2. <u>Organization</u>
3. <u>Personnel</u>	3. <u>Personnel</u>
4. <u>Equipment</u>	4. <u>Equipment</u>
5. <u>Materials</u>	5. <u>Materials</u>
6. <u>Methods</u>	6. <u>Methods</u>
7. <u>Results</u>	7. <u>Results</u>
8. <u>Conclusions</u>	8. <u>Conclusions</u>
9. <u>References</u>	9. <u>References</u>
10. <u>Appendices</u>	10. <u>Appendices</u>
11. <u>Index</u>	11. <u>Index</u>
12. <u>Summary</u>	12. <u>Summary</u>
13. <u>Notes</u>	13. <u>Notes</u>
14. <u>References</u>	14. <u>References</u>
15. <u>Appendices</u>	15. <u>Appendices</u>
16. <u>Index</u>	16. <u>Index</u>
17. <u>Summary</u>	17. <u>Summary</u>
18. <u>Notes</u>	18. <u>Notes</u>
19. <u>References</u>	19. <u>References</u>
20. <u>Appendices</u>	20. <u>Appendices</u>
21. <u>Index</u>	21. <u>Index</u>
22. <u>Summary</u>	22. <u>Summary</u>
23. <u>Notes</u>	23. <u>Notes</u>
24. <u>References</u>	24. <u>References</u>

FAILURE	UPPER	PART	TR	CROSS
REWORK/REWORK	90 COME	PART-	OF	DATA
	LIMTY	LATION	RTY	SALE
				REF
				NO

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ROME AIR DEVELOPMENT CENTER, GRIFFIS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	817 TRANSCIEVER	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
-00 N.O.C.									
RECEIVER-VOR		NAVIGATION-707-131B	AIR	2000P				65	2362 57046000
RECEIVER-VOR		NAVIGATION-331C/373C	AIR	3130P				66	2360 57068000
RECEIVER-VOR		NAVIGATION-727	AIR	3300P				63	2360 57070000
RECEIVER-VOR		NAVIGATION-727	AIR	3940P				66	2365 57072000
RECEIVER-VOR		NAVIGATION-727	AIR	3960P				66	2365 57074000
RECEIVER-VOR		NAVIGATION-727	AIR	5030P				65	2365 57076000
RECEIVER-ADF		NAVIGATION-727	AIR	710P				66	2363 57078000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	760P				66	2363 57080000
RECEIVER-ADF		NAVIGATION-880	AIR	840P				66	2363 57082000
RECEIVER-ADF		NAVIGATION-727	AIR	1020P				65	2363 57084000
RECEIVER-ADF		NAVIGATION-880	AIR	1080P				65	2363 57086000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	1120P				65	2363 57088000
RECEIVER-ADF		NAVIGATION-707-131B	AIR	1260P				65	2364 57090000
RECEIVER-ADF		NAVIGATION-707-131	AIR	1360P				66	2364 57092000
RECEIVER-ADF		NAVIGATION-331C/373C	AIR	1610P				66	2363 57094000
RECEIVER-ADF		NAVIGATION-707-331B	AIR	1690P				65	2364 57096000
RECEIVER-ADF		NAVIGATION-707-131B	AIR	1710P				66	2364 57098000
RECEIVER-ADF		NAVIGATION-68C	AIR	1740P				66	2363 57100000
RECEIVER-ADF		NAVIGATION-707-131B	AIR	1800P				66	2364 57102000
RECEIVER-ADF		NAVIGATION-707-331	AIR	1850P				65	2364 57104000
RECEIVER-ADF		NAVIGATION-707-131	AIR	1890P				66	2364 57106000
RECEIVER-ADF		NAVIGATION-707-331B	AIR	2040P				66	2364 57108000
RECEIVER-ADF		NAVIGATION-727	AIR	2060P				66	2363 57110000
RECEIVER-ADF		NAVIGATION-707-331B	AIR	2190P				66	2364 57112000
RECEIVER-ADF		NAVIGATION-707-131	AIR	2560P				66	2364 57114000
RECEIVER-ADF		NAVIGATION-707-331	AIR	2730P				65	2364 57116000
RECEIVER-ADF		NAVIGATION-707-331	AIR	3200P				66	2364 57118000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331B	AIR	100P				66	2364 57120000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331	AIR	160P				66	2364 57122000
RECEIVER-GLIDE-SLOPE		NAVIGATION-727	AIR	170P				65	2363 57124000
RECEIVER-GLIDE-SLOPE		NAVIGATION-331C/373C	AIR	280P				65	2363 57126000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331B	AIR	290P				66	2364 57128000
RECEIVER-GLIDE-SLOPE		NAVIGATION-880	AIR	420P				66	2363 57130000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331B	AIR	420P				65	2364 57132000
RECEIVER-GLIDE-SLOPE		NAVIGATION-727	AIR	430P				66	2363 57134000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331	AIR	450P				66	2364 57136000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331	AIR	460P				65	2364 57138000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331	AIR	500P				66	2364 57140000
RECEIVER-GLIDE-SLOPE		NAVIGATION-331C/373C	AIR	510P				66	2363 57142000
RECEIVER-GLIDE-SLOPE		NAVIGATION-331C/373C	AIR	540P				66	2363 57144000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-131B	AIR	720P				66	2364 57146000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-131	AIR	820P				65	2364 57148000
RECEIVER-GLIDE-SLOPE		NAVIGATION-880	AIR	830P				66	2363 57150000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-331B	AIR	850P				66	2364 57152000
RECEIVER-GLIDE-SLOPE		NAVIGATION-707-131B	AIR	870P				65	2364 57154000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA JANUARY 1969

PART CLASS	817 TRANSCEIVERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR	CROSS OF DATA INDEX
PART DESCRIPTION									RPT SAGE REF NO
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131	AIR	910P	66	2364	57156000			
RECEIVER-GLIDE-SLOPE	NAVIGATION-880	AIR	990P	65	2363	57156000			
RECEIVER-GLIDE-SLOPE	NAVIGATION-727	AIR	1040P	66	2363	57160000			
RECEIVER-GLIDE-SLOPE	NAVIGATION-707-131B	AIR	1260P	65	2364	57162000			
RECEIVER-HF	COMMUNICATIONS-331C/373C	AIR	760P	66	2363	57164000			
RECEIVER-HF	COMMUNICATIONS-331C/373C	AIR	1080P	66	2363	57166000			
RECEIVER-HF	COMMUNICATIONS-331C/373C	AIR	1410P	65	2363	57168000			
RECEIVER-LORAN	NAVIGATION-707-331	AIR	340P	66	2364	57170000			
RECEIVER-LORAN	NAVIGATION-331C/373C	AIR	540P	66	2363	57172000			
RECEIVER-LORAN	NAVIGATION-707-331B	AIR	850P	65	2364	57174000			
RECEIVER-LORAN	NAVIGATION-331C/373C	AIR	1020P	66	2363	57176000			
RECEIVER-LORAN	NAVIGATION-707-331B	AIR	1540P	66	2364	57178000			
RECEIVER-LORAN	NAVIGATION-707-331	AIR	2470P	65	2364	57180000			
RECEIVER-LORAN	NAVIGATION-707-331	AIR	2500P	66	2364	57182000			
RECEIVER-LORAN	NAVIGATION-331C/373C	AIR	2810P	65	2363	57184000			
RECEIVER-LORAN	NAVIGATION-707-331B	AIR	3890P	66	2364	57186000			
RECEIVER-MARKER	NAVIGATION-707-131B	AIR	130P	66	2364	57188000			
RECEIVER-MARKER	NAVIGATION-880	AIR	170P	66	2363	57190000			
RECEIVER-MARKER	NAVIGATION-880	AIR	170P	66	2363	57192000			
RECEIVER-MARKER	NAVIGATION-707-131	AIR	230P	66	2364	57194000			
RECEIVER-MARKER	NAVIGATION-880	AIR	300P	66	2363	57196000			
RECEIVER-MARKER	NAVIGATION-727	AIR	340P	65	2363	57198000			
RECEIVER-MARKER	NAVIGATION-707-131B	AIR	470P	66	2363	57200000			
RECEIVER-MARKER	NAVIGATION-331C/373C	AIR	530P	66	2364	57202000			
RECEIVER-MARKER	NAVIGATION-707-331	AIR	560P	65	2363	57204000			
RECEIVER-VHF	COMMUNICATIONS-331C/373C	AIR	1010P	66	2364	57206000			
RECEIVER-VHF	COMMUNICATIONS-331C/373C	AIR	540P	66	2363	57208000			
RECEIVER-VHF	COMMUNICATIONS-331C/373C	AIR	560P	65	2363	57210000			
RECEIVER-VHF	COMMUNICATIONS-331C/373C	AIR	1270P	66	2363	57212000			
RECEIVER-VHF	COMMUNICATIONS-880	AIR	2170P	66	2363	57214000			
RECEIVER-VOR	NAVIGATION-707-331	AIR	3940P	66	2363	57216000			
RECEIVER-VOR	NAVIGATION-707-331	AIR	470P	66	2364	57218000			
RECEIVER-VOR	NAVIGATION-707-331	AIR	1080P	65	2364	57220000			
RECEIVER-VOR	NAVIGATION-707-331B	AIR	1620P	66	2364	57222000			
RECEIVER-VOR	NAVIGATION-707-131B	AIR	1750P	65	2364	57224000			
RECEIVER-VOR	NAVIGATION-707-131	AIR	1780P	66	2364	57226000			
RECEIVER-VOR	NAVIGATION-707-131B	AIR	1840P	66	2364	57228000			
RECEIVER-VOR	NAVIGATION-707-131B	AIR	1870P	66	2364	57230000			
RECEIVER-VOR	NAVIGATION-707-131	AIR	2040P	66	2364	57232000			
RECEIVER-VOR	NAVIGATION-707-331	AIR	2190P	66	2364	57234000			
RECEIVER-VOR	NAVIGATION-707-331B	AIR	2230P	66	2364	57236000			
RECEIVER-VOR	NAVIGATION-727	AIR	2820P	66	2363	57238000			
RECEIVER-VOR	NAVIGATION-707-131	AIR	2860P	65	2364	57240000			
RECEIVER-VOR	NAVIGATION-707-331B	AIR	2960P	65	2364	57242000			
RECEIVER-VOR	NAVIGATION-727	AIR	4580P	65	2363	57244000			

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HOME AIR DEVELOPMENT CENTER, GAITHERSBURG, M.D.

SECTION I FAILURE RATE DATA

PART CLASS 117 TRANSCEIVERS

PART DESCRIPTION FUNCTIONAL APPLICATION

NO N-B-C

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
RECEIVERS-VHF	NAVIGATION-727	AIR	5660P				66	2363 57246000
RECEIVERS	MARKER-DC-B	AIR					66	2380 57246000
RECEIVERS	MARKER	AIR					66	2380 57246000
RECEIVERS	HF-COMMUNICATIONS-DC-B	AIR	290				66	2380 57246000
RECEIVERS	GLIDE-SLOPE-DC-B	AIR	440				66	2380 57246000
RECEIVERS	ADF	AIR	450				66	2380 57246000
RECEIVERS	ADF-DC-B	AIR	540				66	2380 57246000
RECEIVERS	RADIO-NAVIGATION-DC-B	AIR	1140				66	2380 57246000
RECEIVERS	VHF-COMMUNICATIONS-DC-B	AIR	1180				66	2380 57246000
RECEIVERS	LORAN-DC-B	AIR	1240				66	2380 57246000
RECEIVERS	RADIO-SET-AN/MRC-1	LAB	1861.72				65	2374 57246000
RECEIVERS-ADF	ADF-B-720	AIR	930				66	2380 57246000
RECEIVERS-ADF	NAVIGATION-707-331B	AIR	1000P				65	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331B	AIR	1380P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	1530P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331B	AIR	1610P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331B	AIR	1650P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	1820P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	2240P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	2960P				65	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	3000				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	3190P				66	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331	AIR	3780P				65	2361 57246000
RECEIVERS-ADF	NAVIGATION-707-331B	AIR	4230P				65	2361 57246000
RECEIVERS-6/5	GLIDE-SLOPE-B-720	AIR	180				66	2380 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	210P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	350P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331	AIR	600P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331	AIR	660P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331	AIR	800P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331	AIR	840P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	850P				65	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	860P				65	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	1010P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331	AIR	1030P				65	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331B	AIR	1150P				66	2361 57246000
RECEIVERS-GLIDE-SLOPE	NAVIGATION-707-331	AIR	1170P				65	2361 57246000
RECEIVERS-MF	COMMUNICATIONS-707-331	AIR	1460P				65	2364 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331B	AIR	1480P				65	2364 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331	AIR	1510P				66	2361 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331	AIR	1540P				65	2361 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331	AIR	1540P				66	2361 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331B	AIR	1540P				66	2364 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331B	AIR	1550P				66	2364 57326000
RECEIVERS-MF	COMMUNICATIONS-707-331B	AIR	1690P				66	2361 57326000





WHE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	017 TRANSCIEVERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT	FACE REF NO
TRANSMITTER.									
HYDRAULIC-PRESSURE		HYDRAULIC-POWER. 707-331	AIR	90P				65	2362 57486000
TRANSMITTER.		HYDRAULIC-POWER. 727	AIR	140P				65	2360 57486000
HYDRAULIC-PRESSURE		HYDRAULIC-POWER. 707-131B	AIR	160P				65	2362 57486000
TRANSMITTER.		HYDRAULIC-POWER. 331C/373C	AIR	240P				66	2360 57492000
HYDRAULIC-PRESSURE		HYDRAULIC-POWER. 707-121	AIR	340P				66	2362 57494000
TRANSMITTER.		HYDRAULIC-POWER. 707-331B	AIR	360P				66	2362 57496000
HYDRAULIC-PRESSURE		HYDRAULIC-POWER. 707-331B	AIR	360P				66	2362 57498000
TRANSMITTER.		HYDRAULIC-POWER. 707-331	AIR	420P				66	2362 57500000
HYDRAULIC-PRESSURE		HYDRAULIC-POWER. 707-331	AIR	540P				66	2362 57502000
TRANSMITTER.		HYDRAULIC-POWER. 707-131	AIR	600P				65	2362 57504000
HYDRAULIC-PRESSURE		HYDRAULIC-POWER. 707-331B	AIR	660P				65	2362 57506000
TRANSMITTER.		AUTO-PILOT-FNC	AIR	240P				65	2365 57508000
SURFACE-POSITION		AIR-CONDITIONING-727	AIR	70P				65	2360 57510000
DUCT-PRESSURE									
TRANSMITTER-ANGLE-OF-ATTACK									
TRANSMITTER-CAPIN-FLU-PH									
TRANSMITTER-COMPASS									
TRANSMITTER-ENGINE-									
OIL-PRESSURE									
TRANSMITTER-ENGINE-									
OIL-PRESSURE									
TRANSMITTER-ENGINE-									
OIL-PRESSURE									
TRANSMITTER-ENGINE-OIL-									
PRESS									
TRANSMITTER-ENGINE-OIL-									
PRESS									
TRANSMITTER-ENGINE-OIL-									
PRESS									



HOME AIR DEVELOPMENT CENTER, CHIFFESS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	PRT TRANSLATION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR OF RFT	CROSS DATA INDEX	REF NO
CC N.O.C.										
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	3CP		65	2361	57540000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	3CP		66	2364	57538000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	3CP		66	2364	57540000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2364	57542000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2361	57544000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2360	57546000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2362	57548000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2364	57550000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2364	57552000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	6CP		66	2360	57554000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	14CP		66	2362	57556000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	15CP		66	2362	57558000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	17CP		66	2364	57560000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	31CP		66	2362	57562000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	7CP		66	2364	57564000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	7CP		65	2364	57566000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	10CP		66	2364	57568000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	11CP		66	2364	57570000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	14CP		65	2364	57572000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	46CP		65	2364	57574000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	7CP		66	2362	57576000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	12CP		65	2362	57578000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	14CP		66	2362	57580000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	15CP		65	2362	57582000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	11CP		64	2364	57584000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	13CP		66	2364	57586000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	15CP		65	2364	57588000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 707-131B	FLIGHT-CONTROL S. 707-131B	AIR	14CP		65	2364	57590000		
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL S. 331C/373C	FLIGHT-CONTROL S. 331C/373C	AIR	25CP		66	2360	57592000		



HOME AIR DEVELOPMENT CENTER, GRIFTERS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER QC CONF LIMIT	PART POPULATION	PART RPT	CROSS INDEX
PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER QC CONF LIMIT	PART POPULATION	PART RPT	CROSS INDEX
200	NO. 1							
TRANSMITTER-HYDRAULIC-PRESSURE	TRANSMITTER-HYDRAULIC-PRESSURE	HYDRAULIC-POWER. 707-131	AIR	34CP		66 2364	5768000	
TRANSMITTER-HYDRAULIC-PRESSURE	TRANSMITTER-HYDRAULIC-PRESSURE	HYDRAULIC-POWER. 707-331B	AIR	34CP		66 2364	57670000	
TRANSMITTER-HYDRAULIC-PRESSURE	TRANSMITTER-HYDRAULIC-PRESSURE	HYDRAULIC-POWER. 707-131	AIR	41CP		65 2364	57672000	
TRANSMITTER-HYDRAULIC-PRESSURE	TRANSMITTER-HYDRAULIC-PRESSURE	HYDRAULIC-POWER. 707-331B	AIR	63CP		65 2364	57674000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-131	AIR	23CP		66 2362	57676000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-331	AIR	25CP		66 2362	57678000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-331	AIR	26CP		65 2362	57680000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-331	AIR	39CP		66 2362	57682000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-131	AIR	43CP		66 2362	57684000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-131	AIR	68CP		65 2362	57686000	
TRANSMITTER-OIL-PRESSURE	TRANSMITTER-OIL-PRESSURE	OIL. 707-131	AIR	1178.94	1334.93	63 2130	57688000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-131	AIR	23CP		65 2362	57690000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-331	AIR	34CP		66 2362	57692000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-331	AIR	68CP		66 2362	57694000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-131	AIR	74CP		66 2362	57696000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-331	AIR	85CP		65 2362	57698000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-131	AIR	93CP		66 2362	57700000	
TRANSMITTER-OIL-QUANTITY	TRANSMITTER-OIL-QUANTITY	OIL. 707-131	AIR	25CP		66 2362	57702000	
TRANSMITTER-OXYGEN-PRESSURE	TRANSMITTER-OXYGEN-PRESSURE	OXYGEN. 707-131	AIR	537.037	639.194	63 2102	57704000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 880	AIR	68CP		66 2363	57706000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 880	AIR	71CP		66 2363	57708000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 880	AIR	77CP		65 2363	57710000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	HYDRAULIC-POWER. 880	AIR	20CP		66 2360	57712000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	HYDRAULIC-POWER. 880	AIR	34CP		66 2360	57714000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	HYDRAULIC-POWER. 880	AIR	42CP		65 2360	57716000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-131B	AIR	1108.02	1162.93	63 2102	57718000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-131B	AIR	26CP		66 2362	57720000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-331	AIR	50CP		66 2362	57722000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-331	AIR	51CP		66 2362	57724000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-331	AIR	51CP		65 2362	57726000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-131	AIR	53CP		65 2362	57728000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-131B	AIR	56CP		65 2362	57730000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-131	AIR	56CP		66 2362	57732000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 880	AIR	56CP		66 2365	57734000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-331	AIR	62CP		66 2362	57736000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 707-131	AIR	64CP		66 2362	57738000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 880	AIR	98CP		66 2365	57740000	
TRANSMITTER-PRESSURE	TRANSMITTER-PRESSURE	ENGINE-INDICATING. 880	AIR	153CP		65 2365	57742000	
TRANSMITTER-STABILIZER-POSITION	TRANSMITTER-STABILIZER-POSITION	FLIGHT-CONTROLS. 707-131	AIR	90P		65 2364	57744000	
TRANSMITTER-VME	TRANSMITTER-VME	COMMUNICATIONS. 331C/373C	AIR	25CP		66 2365	57746000	

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 817 TRANSCIEVERS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

UPPER  
90 CONF  
LIMIT

PART  
POPUL  
LATION

VR  
OF DATA  
RPT SACE REF NO

CRSS

-00 N.O.C.

TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	1000P	66 2360 57749000
TRANSMITTER-VHF	COMMUNICATIONS-707-331B	AIR	1090P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	1160P	66 2360 57750000
TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	1200P	66 2360 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-331	AIR	1390P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	1420P	66 2365 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-131	AIR	1480P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	1520P	66 2360 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-331	AIR	1540P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	1670P	66 2360 57750000
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	1740P	66 2365 57750000
TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	1960P	66 2365 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-331B	AIR	1990P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	2010P	66 2365 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-131B	AIR	2070P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	2140P	66 2360 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-331	AIR	2200P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-331B	AIR	2630P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-131B	AIR	2640P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-131	AIR	3320P	66 2362 57750000
TRANSMITTER-VHF	COMMUNICATIONS-707-131	AIR	3430P	66 2362 57750000
TRANSMITTER-ENGINE-011-	NAV-7-131B	AIR	1CP	66 2364 57750000
PRESS				
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-727	AIR	10P	66 2363 57750000
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-331C/373C	AIR	120P	66 2365 57750000
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-727	AIR	140P	66 2361 57750000
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-727	AIR	220P	66 2361 57750000
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-727	AIR	230P	66 2361 57750000
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-727	AIR	310P	66 2361 57750000
TRANSMITTER-FLAP-POSITION	FLIGHT-CONTROL-707-131	AIR	150P	66 2362 57750000
TRANSMITTER-FUEL-FLOW	ENGINE-FUEL-AND-CONTROL-707-131	AIR	10P	66 2364 57750000
TRANSMITTER-FUEL-FLOW	ENGINE-FUEL-AND-CONTROL-707-131	AIR	70P	66 2364 57750000
TRANSMITTER-FUEL-FLOW	ENGINE-FUEL-AND-CONTROL-707-131	AIR	140P	66 2364 57750000
TRANSMITTER-FUEL-FLOW	ENGINE-FUEL-AND-CONTROL-880	AIR	140P	66 2364 57750000
TRANSMITTER-FUEL-FLOW	ENGINE-FUEL-AND-CONTROL-880	AIR	140P	66 2364 57750000
TRANSMITTER-FUEL-FLOW	ENGINE-FUEL-AND-CONTROL-880	AIR	140P	66 2364 57750000
TRANSMITTER-FUEL-FLOW	NAVIGATION-727	AIR	140P	66 2364 57750000
TRANSMITTER-CYRUSYN-	NAVIGATION-727	AIR	140P	66 2364 57750000
TRANSMITTER-CYRUSYN-	NAVIGATION-727	AIR	140P	66 2364 57750000
TRANSMITTER-RE	COMMUNICATIONS-331C/373C	AIR	140P	66 2364 57750000
TRANSMITTER-HYDRAULIC-011-	HYDRAULIC-POWER-727	AIR	140P	66 2364 57750000
TRANSMITTER-HYDRAULIC-011-	NAVIGATION-727	AIR	140P	66 2364 57750000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MODELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	PRT TRANSDUCER	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPLR QC CONF LIMIT	PART POPU- LATION	PART HOURS	YK OF DATA RPT SRCE	CROSS INDEX REF NO
TRANSMITTER-HYDRAULIC-OIL- QUANTITY-A	QUANTITY-A	HYDRAULIC-POWER.727	AIR	20/P				66	2365 57810000
TRANSMITTER-HYDRAULIC-OIL- QUANTITY-B	QUANTITY-B	HYDRAULIC-POWER.727	AIR	30/P				65	2365 57810000
TRANSMITTER-HYDRAULIC-OIL- QUANTITY-C	QUANTITY-C	HYDRAULIC-POWER.727	AIR	24/P				66	2363 57814000
TRANSMITTER-HYDRAULIC-OIL- QUANTITY-D	QUANTITY-D	HYDRAULIC-POWER.727	AIR	34/P				65	2363 57816000
TRANSMITTER-HYDRAULIC-PRESS		HYDRAULIC-POWER.331/3730	AIR	13/P				64	2363 57819000
TRANSMITTER-HYDRAULIC-PRESS		HYDRAULIC-POWER.727	AIR	15/P				65	2365 57840000
TRANSMITTER-HYDRAULIC-PRESS		HYDRAULIC-POWER.727	AIR	15/P				66	2365 57842000
TRANSMITTER-HYDRAULIC-PRESS		HYDRAULIC-POWER.727	AIR	16/P				66	2365 57844000
TRANSMITTER-HYDRAULIC-PRESS		HYDRAULIC-POWER.331/3730	AIR	25/P				66	2365 57846000
TRANSMITTER-HYDRAULIC-PRESS		HYDRAULIC-POWER.331/3730	AIR	28/P				65	2363 57848000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	14/P				65	2364 57850000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	14/P				66	2364 57852000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	15/P				65	2364 57854000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	19/P				66	2364 57856000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	39/P				66	2364 57858000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	39/P				66	2364 57860000
TRANSMITTER-OIL-PRESS		OIL-7.7-131	AIR	4/P				66	2364 57862000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	28/P				65	2364 57864000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	31/P				65	2364 57866000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	42/P				66	2364 57868000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	50/P				66	2364 57870000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	55/P				65	2364 57872000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	54/P				65	2364 57874000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	31/P				65	2364 57876000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	42/P				65	2364 57878000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	11/P				66	2363 57880000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	15/P				66	2365 57882000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	16/P				65	2365 57884000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	20/P				66	2363 57886000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	21/P				66	2365 57888000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	16/P				65	2363 57890000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	31/P				65	2364 57892000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	43/P				66	2364 57894000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	45/P				65	2364 57896000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	50/P				66	2364 57898000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	55/P				66	2364 57900000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	89/P				66	2364 57902000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	95/P				66	2364 57904000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	20/P				65	2364 57906000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	20/P				65	2364 57908000
TRANSMITTER-OIL-QUANTITY		OIL-7.7-131	AIR	20/P				65	2364 57910000

ROME AIR DEVELOPMENT CENTER, Griffiss AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS		817 TRANSCIEVERS		UPPER		PART		YR		CROSS	
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	90 CONF LIMIT	POPULATION	PART HOURS	OF DATA RPT	INDEX	RECEP NO		
-UC N.O.C.											
TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	810P				66	2363	37912000		
TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	840P				65	2363	37914000		
TRANSMITTER-VHF	COMMUNICATIONS-331C/373C	AIR	2290P				66	2363	37916000		
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	2420P				66	2363	37918000		
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	2430P				65	2363	37920000		
TRANSMITTER-VHF	COMMUNICATIONS-880	AIR	3180P				66	2363	37922000		
TRANSMITTER/RECEIVER	RADAR	AIR	1000				66	2360	37924000		
TRANSMITTER/RECEIVER	RADAR	AIR	3980				66	2360	37926000		
TRANSMITTERS	COMPASSATIONS-MACH-TRIM-AUTO-PILOT	AIR	6	55.9834	76	.04113	66	1250	37928000		
TRANSMITTERS	VHF-COMMUNICATIONS-DC-8	AIR	370				66	2360	37930000		
TRANSMITTERS	VHF-COMMUNICATIONS-DC-8	AIR	410				66	2380	37932000		
TRANSMITTERS	RADIO-SET-AN/MSC-1	LAB	1850.04				65	2324	37934000		
TRANSMITTERS	OIL-707-131B	AIR	460P				65	2361	37936000		
ENGINE-OIL-PRESSURE											
TRANSMITTERS	HF-COMMUNICATIONS-8-720	AIR	260				66	2380	37938000		
HF-COMMUNICATION											
TRANSMITTERS	HYDRAULIC-POWER-707-131B	AIR	30P				66	2361	37940000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-131B	AIR	70P				65	2361	37942000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-131B	AIR	90P				66	2361	37944000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-131	AIR	110P				66	2361	37946000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-131	AIR	130P				65	2361	37948000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-331B	AIR	170P				65	2361	37950000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-331B	AIR	170P				66	2361	37952000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-331B	AIR	320P				66	2361	37954000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-331	AIR	320P				65	2361	37956000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-131	AIR	330P				66	2361	37958000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-331	AIR	490P				66	2361	37960000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	HYDRAULIC-POWER-707-331	AIR	590P				66	2361	37962000		
HYDRAULIC-PRESSURE											
TRANSMITTERS	VHF-COMMUNICATIONS-8-720	AIR	57				66	2380	37964000		
VHF-COMMUNICATION											
TRANSMITTERS-ANGLE-OF-ATTACK	INTEG-INSTR-SYSTEM	SIM GRD AIR	31.25	121.553	139	.032	63	1117	37966000		
TRANSMITTERS-ANGLE-OF-ATTACK	INTEG-INSTR-SYSTEM	SIM GRD AIR	50.9164	85.6189	585	.13748	64	1181	37968000		

PART CLASS	Q17 TRANSCIEVERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION J FAILURE RATE DATA

MONOELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	017 TRANSCIEVERS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA RPT SRCE REF NO	CROSS INDEX
PART DESCRIPTION									
TRANSMITTERS-OIL-QUANTITY	OIL-707-131	AIR	220P	66	2361	58052000			
TRANSMITTERS-OIL-QUANTITY	OIL-707-131B	AIR	220P	66	2361	58054000			
TRANSMITTERS-OIL-QUANTITY	OIL-707-131	AIR	390P	66	2361	58056000			
TRANSMITTERS-OIL-QUANTITY	OIL-707-131B	AIR	510P	66	2361	58058000			
TRANSMITTERS-OIL-QUANTITY	OIL-707-331	AIR	530P	66	2361	58060000			
TRANSMITTERS-OIL-QUANTITY	OIL-707-331	AIR	630P	66	2361	58062000			
TRANSMITTERS-OIL-QUANTITY	OIL-707-331	AIR	640P	65	2361	58064000			
TRANSMITTERS-POSITION	ELEVATOR-TRIM-TAB	AIR	•	19.7868	100	•11637			
TRANSMITTERS-POSITION	ELEVATOR-TRIM-TAB	AIR	7.8796	30.6492	50	•12691			
TRANSMITTERS-POSITION	OIL-COOLER-FLAP	AIR	10.0334	22.3438	200	•299			
TRANSMITTERS-POSITION	ELEVATOR-TRIM-TAB	AIR	11.7952	45.8799	50	•08478			
TRANSMITTERS-POSITION	SPOILER-SYSTEM	AIR	12.1565	47.2854	152	•09226			
TRANSMITTERS-POSITION	ELEVATOR-TRIM-TAB	AIR	13.3333	51.8626	50	•075			
TRANSMITTERS-POSITION	AILERON-TRIM-TAB.FLT-INSTRUMENTATION	AIR	17.1865	45.736	100	•11637			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	22.7272	60.4806	102	•088			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	31.5183	62.9859	50	•12691			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	34.3731	68.6908	100	•11637			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	35.3857	78.8016	50	•08478			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	40	89.0773	50	•075			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	51.5596	90.5052	100	•11637			
TRANSMITTERS-POSITION	SPOILER-SYSTEM	AIR	66.6796	135.129	96	•04944			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	62.6666	259.313	68	•015			
TRANSMITTERS-POSITION	AILERON-TRIM-TAB.FLT-INSTRUMENTATION	AIR	70.7714	129.228	50	•08478			
TRANSMITTERS-POSITION	AILERON-TRIM-TAB.FLT-INSTRUMENTATION	AIR	70.9163	111.937	50	•12691			
TRANSMITTERS-POSITION	AILERON-TRIM-TAB.FLT-INSTRUMENTATION	AIR	79.5454	133.76	102	•088			
TRANSMITTERS-POSITION	FLAP-SYSTEM	AIR	80	140.428	50	•075			
TRANSMITTERS-POSITION	PITCH-TRIM-SYSTEM	AIR	80.9061	215.303	48	•02472			
TRANSMITTERS-POSITION	RUDDER-TRIM-TAB	AIR	80.9061	215.303	48	•02472			
TRANSMITTERS-POSITION	RUDDER-TRIM-TAB	AIR	94.3618	153.275	50	•08478			
TRANSMITTERS-POSITION	FLAP-FLIGHT-CONTROLS	AIR	106.666	173.262	50	•075			
TRANSMITTERS-POSITION	PITCH-TRIM-SYSTEM	AIR	145.595	167.287	150	•5671			
TRANSMITTERS-POSITION	FLAP-SYSTEM	AIR	145.878	256.068	76	•04113			
TRANSMITTERS-POSITION	INSURMENT-SYSTEM	AIR	194.505	315.942	76	•04113			
TRANSMITTERS-POSITION	RUDDER-TRIM-TAB	AIR	268.568	344.494	63	•10798			
TRANSMITTERS-POSITION	RUDDER-TRIM-TAB	AIR	330.943	406.496	50	•12691			
TRANSMITTERS-POSITION	RUDDER-TRIM-TAB	AIR	352.272	448.066	102	•088			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	455.73	483.776	1194	•10357			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	466.351	494.728	1194	•10357			
TRANSMITTERS-POSITION	WING-FLAP-FLIGHT-INSTRUMENTATION	AIR	•	64.7707	63	•03555			
TRANSMITTERS-POSITION	ROLL-TRIM	AIR	76.5696	297.833	86	•01306			
TRANSMITTERS-POSITION-FLAP/ PITCH-TRIM/YAW-TRIM		AIR	114.854	255.773	172	•02612			
TRANSMITTERS-PRESSURE	BLEED-AIR-SYSTEM	AIR	•	27.9917	152	•08226			

•00 N.O.C.



## JANUARY 1968

JANUARY 1964

PART CLASS	EIT TRANSCEIVERS	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCE	CROSS INDEX REF NO
00	N.O.C.							
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	24.2718	54.0517	240	1236	65	1227 58136000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	32.258	125.474	136	.031	63	1114 58138000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	33.557	62.2463	100	.149	63	1114 58140000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	35.3857	62.1142	100	.16956	63	1114 58142000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	39.7727	66.8801	204	.17	63	1114 58144000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	40.453	157.35	48	.02472	65	1227 58146000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	40.453	107.651	96	.04944	65	1227 58148000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	55.1571	79.3002	100	.25382	65	1198 58150000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	75.6453	91.653	250	.63454	65	1198 58152000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	80.9061	215.303	48	.02472	65	1227 58154000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	81.177	91.9178	48	1.3797	65	1196 58156000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	83.9002	104.496	510	.441	63	1114 58158000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	90.2294	121.097	200	.23274	65	1198 58160000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	100.623	186.651	200	.04969	63	1123 58162000A
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	116.883	184.493	340	.077	63	1114 58164000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	137.492	159.365	500	.58185	65	1198 58166000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	157.269	194.189	150	.25434	63	1114 58168000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	164.444	204.813	150	.225	63	1114 58170000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	170.192	286.187	76	.04113	66	1250 58172000A
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	554.097	593.486	378	.6479	65	1155 58174000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	946.214	1136.42	378	.10038	63	1123 58176000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	699.044	733.454	1194	1.0357	67	1272 58178000A
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	689.127	1087.74	86	.01306	66	1240 58180000A
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	34.0384	57.2375	380	.20565	66	1250 58182000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	241.935	343.425	272	.062	63	1114 58184000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	431.812	473.521	400	.46548	65	1198 58186000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	439.093	487.834	408	.353	63	1114 58188000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	583.101	678.979	200	.50763	65	1198 58190000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	837.461	904.806	200	.33912	63	1198 58192000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	869.565	942.831	200	.299	63	1114 58194000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	233.333	392.363	120	.03	65	1215 58196000
TRANSmitters-PRESSURE	HYDRAULIC-SYSTEM	AIR	218.209	238.012	1194	1.0357	67	1272 58198000A



PART CLASS	QTY	TRANSCIEVERS	FUNCTIONAL APPLICATION	FAILURE	UPPER	PART	YR	GROSS
PART DESCRIPTION				ENVIRONMENT RATE	90 COMP	POPULATION	OF DAY	INDEX
					LIMIT	LATION	RPT	SAGE REF NO
.00 M.O.C.								
TRANSMITTERS, PRESSURE, RATIO, ENGINE								
TRANSMITTERS, PRESSURE, TEMP.								
GEN. PUMP, MS28131-17								
TRANSMITTERS, PRESSURE, TEMP.								
GEN. PUMP, MS28131-18								
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-131	170P	927.912	320	61	1080 58261000
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-331	280P	342.813	302	66	1234 58266000A
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-331	330P				
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-331	390P				
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-131	520P				
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-131B	530P				
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-131C	570P				
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-131B	600P				
TRANSMITTERS, PRESSURE, RATIO			ENGINE-INDICATING, 707-131	750P				
TRANSMITTERS, PRESSURE, TEMP. ENGINE				280-373	332.705	302	66	1234 58268000A
OIL, MS28131-6								
TRANSMITTERS, QUANTITY			FUEL-CELL (IN-MILES)	32-4149M	86-2609M	15	65	1235 58290000
TRANSMITTERS, QUANTITY				67.0075	91.3509	75	65	1196 58292000
HYDRAULIC-FLUID								
TRANSMITTERS, QUANTITY, OIL			ENGINE-INSTRUMENTATION	70-9108	111.928	244	64	1144 58294000
TRANSMITTERS, QUANTITY, OIL			ENGINE-INSTRUMENTATION	191-672	225.884	200	63	1198 58296000
TRANSMITTERS, QUANTITY, OIL			ENGINE-INSTRUMENTATION	200-668	238.123	200	63	1114 58298000
TRANSMITTERS, QUANTITY, OIL			ENGINE-INSTRUMENTATION	306-451	417.783	272	63	1114 58300000
TRANSMITTERS, QUANTITY, OIL			ENGINE-INSTRUMENTATION	390-594	430.816	400	65	1198 58302000
TRANSMITTERS, QUANTITY, OIL			ENGINE-INSTRUMENTATION	665-722	724.899	408	63	1114 58304000
TRANSMITTERS, RATE, FLOW			ENGINE-INSTRUMENTATION	720-997	771.733	200	65	1198 58306000
TRANSMITTERS, RATE, FLOW				55-1528	92-7426	244	64	1144 58308000
TRANSMITTERS, RATE, CYRO				923-047	962.426	1194	67	1272 58310000A
TRANSMITTERS, RATE, CYRO			SIM GRD AIR	328-571	435.087	278	63	1117 58312000
TRANSMITTERS, RATE, CYRO			SIM GRD AIR	525-146	683.423	192	64	1181 58314000A
TRANSMITTERS, RATE, CYRO			FLIGHT-DIRECTOR, A-F-SID	683-185	727.968	200	65	1198 58316000
TRANSMITTERS, RATE, CYRO			RATE-CYRO, INTEG-FLIGHT/NAVIGATION	1478-26	1859.28	245	61	1080 58318000
TRANSMITTERS, TEMPERATURE				*	26.9089		63	1123 58320000A
RAM-AIR, VAC-RELIEF VALVE								
TRANSMITTERS, TORQUEMETER				555-355	1237.18	20	66	1237 58322000
PRESSURE								
TRANSMITTERS, TURN-RATE			AUTO-FLIGHT-CONTROL-SYSTEM	1218-18	1431.98	320	61	1080 58324000
TRANSMITTERS, TURN-RATE			FLIGHT-DIRECTOR-SYSTEM	1337-22	1515.9	152	66	1250 58326000
TRANSMITTERS, VHF			FLIGHT-DIRECTOR-SYSTEM	1719-25	1983.77	96	65	1227 58328000
TRANSMITTERS, VHF			COMMUNICATIONS, 707-331B	420P			65	2364 58330000
TRANSMITTERS, VHF			COMMUNICATIONS, 707-131B	690P			66	2361 58332000
TRANSMITTERS, VHF			COMMUNICATIONS, 707-331	930P			66	2361 58334000
TRANSMITTERS, VHF			COMMUNICATIONS, 707-131B	1020P			65	2361 58336000
TRANSMITTERS, VHF			COMMUNICATIONS, 707-331	1200P			65	2364 58338000
TRANSMITTERS, VHF			COMMUNICATIONS, 707-131B	1200P			65	2364 58340000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT		PART LATION	PART HOURS	YR	CROSS INDEX	
					90	95				DATA	REF
					CONF	CONF				INDEX	
ON	N.O.C.										
	817 TRANSCIEVERS										
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	1250P					46	2364	58347000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	1500P					46	2364	58344000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	1610P					46	2361	58346000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	1620P					46	2364	58348000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	1800P					46	2361	58350000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	1870P					46	2364	58352000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	1890P					46	2361	58354000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	1950P					46	2364	58356000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	2020P					46	2364	58358000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	2030P					46	2361	58360000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	2120P					46	2364	58362000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	2300P					46	2361	58364000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	2430P					46	2364	58366000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331B	AIR	2610P					46	2361	58368000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	2700P					46	2361	58370000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	2810P					46	2361	58372000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	2900P					46	2361	58374000
	TRANSMITTERS-VHF	COMMUNICATIONS-707-331	AIR	3680P					46	2364	58376000
	TRANSMITTERS-3-Axis-RATE	AUTO-FLIGHT-B-720	AIR	350					46	2360	58378000
	VHF	COMMUNICATIONS-727	AIR	2600P					46	2363	58380000
	VHF	COMMUNICATIONS-727	AIR	2670P					46	2360	58382000
	VHF	COMMUNICATIONS-727	AIR	2890P					46	2365	58384000
	VHF	COMMUNICATIONS-727	AIR	2900P					46	2360	58386000
	VHF	COMMUNICATIONS-727	AIR	3440P					46	2365	58388000
	VHF	COMMUNICATIONS-727	AIR	3540P					46	2363	58390000
	VHF	COMMUNICATIONS-727	AIR	4540P					46	2360	58392000
	VHF	COMMUNICATIONS-727	AIR	8480P					46	2363	58394000
	VHF	COMMUNICATIONS-727	AIR	9140P					46	2365	58396000
	VHF-EMERGENCY	COMMUNICATIONS-707-331	AIR	50P					46	2364	58398000
	VHF-EMERGENCY	COMMUNICATIONS-707-331	AIR	80P					46	2361	58400000
	VHF-EMERGENCY	COMMUNICATIONS-707-331	AIR	50P					46	2362	58402000
	VHF-EMERGENCY	COMMUNICATIONS-707-331	AIR	50P					46	2362	58404000
	VHF-EMERGENCY	COMMUNICATIONS-707-331B	AIR	150P					46	2362	58406000
	VHF-EMERGENCY	COMMUNICATIONS-707-331	AIR	220P					46	2362	58408000
	VHF RECEIVER	COMMUNICATIONS-880	AIR	2160P					46	2363	58410000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1967

PART CLASS 8-1 TRANSUCERS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
HOURS

YR  
OF DATA INDEX  
RPT SRCE REF NO

DU N.O.C.

OIL-SYSTEM-TURBOJET-J-85	AIR	265531	3.75562	1194	1.0357	67	1272	58412000
	AIR	5				66	215	58414000
BELLOWS	MSL					58	212	58416000
OIL-SYSTEM-ENGINE-INSTRUMENT	AIR	5.70385	22.1862	812	.17532	61	1179	58418000
	GRD	19.9431	39.8541	221	.20057	64	1176	58420000
OIL-SYSTEM-TURBOJET-J-85	AIR	26.2536	46.0842	946	.22854	65	1228	58422000
	AIR	29.4521	62.588	812	.10186	64	1179	58424000
OIL-SYSTEM-ENGINE-INSTRUMENT	LAB	30				63	1138	58426000
	AIR	30.6292	51.5047	946	.22854	65	1228	58428000
STALL-WARNING	AIR	37.037	60.1606		.216	63	2102	58430000
STABILIZER-POS	AIR	37.1747	50.2697		.538	63	2112	58432000
OIL-SYSTEM-ENGINE-INSTRUMENTATION	AIR	41.5178	50.8699	1194	1.0357	67	1272	58434000
	AIR	44.6096	58.7054		.538	63	2112	58436000
WHEEL/FLAP	AIR	300				61	1068	58438000
OXYGEN-SYSTEM	AIR	600	1336.16	16	.005	59	1110	58440000
	AIR	620.817	666.654		.538	63	2112	58442000
COMPASS	MSL	793				57	212	58444000
VACUUM/PRESSURE - CALIBRATION-RACK	GRD	1904.76	3806.45		.0021	62	1141	58446000
	LAB	467.889	563.568		.109	61	1071	58448000
AUTO-STAB-EQUIPMENT	AIR	539.033	581.904		.538	63	2112	58450000
	HELL	600	825.21	120	.03	65	1215	58452000
STALL-WARN-SYSTEM	AIR	20.2265	78.6751	96	.04944	65	1227	58454000
	AIR	545.454	696.638	320	.055	61	1080	58456000
FLIGHT-INSTRUMENTATION	AIR	722.755	852.879		.08855	63	1123	58458000A
	AIR	3654.27	3761.57		.538	63	2112	58460000
LANDING-GEAR-707-331	AIR	20P				66	2364	58462000
LANDING-GEAR-707-331B	AIR	50P				66	2361	58464000
LANDING-GEAR-707-331	AIR	110P				65	2364	58466000
LANDING-GEAR-331C/373C	AIR	120P				66	2360	58468000
LANDING-GEAR-707-331	AIR	120P				66	2364	58470000
LANDING-GEAR-331C/373C	AIR	130P				66	2363	58472000
LANDING-GEAR-331C/373C	AIR	420P				65	2363	58474000
LANDING-GEAR-331C/373C	AIR	60P				65	2365	58476000
AIR-CONDITIONING-707-331B	AIR	70P				66	2361	58478000
AIR-CONDITIONING-707-331B	AIR	340P				65	2361	58480000
AIR-CONDITIONING-707-331B	AIR	830P				66	2361	58482000
CRYSTAL-PROBE.	SUB	263.365	403.758	300	.03797	65	1246	58484000
	SUB	264.783	417.946	45	.03399	65	1246	58486000
CRYSTAL-SURFACE-SCANNER	SUB	2819.61	3126.27	240	.0371	65	1246	58488000
CRYSTAL-SURFACE-SCANNER	SHP	111.111	247.437	45	.027	64	1161	58490000A
ELECTROHYDRAULIC	MSL					65	2440	58492000
	FLOW	.0229				62	2231	58494000
FLOW		.516636	1.37484		3.8712	64	2231	58496000

# HOME AIR DEVELOPMENT CENTER, 50 IPFESS APO, N.Y. SECTION 1 FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	851 TRANSLOCERS	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 90 CONF LIMIT	PART TYPE LATION	PART HOURS	YR OF DATA	CROSS RPT SINCE DEF NO
00 M.B.C.								
FLOW-DIRECTION			AIR	337.423	403.552	.143	61	1083 58494000
FLOW-QUANTITY			AIR	17.0571	69.4589	.056	61	1082 58500000
FLOW-QUANTITY			AIR	306.748	370.18	.143	61	1083 58502000
FUEL-FLOW			AIR	1334.57	1400.7	.538	63	2112 58504000
INDUCTIVE			AIR	37.5			66	214 58506000
LINEAR-MOTION			LAB	0	1.522086	1.51	62	1136 58508000
LIQUID-OXYGEN-LEVEL		PROPELLANT-UTILIZATION	LAB	0	44052	.00004	61	2400 58510000
LIQUID-OXYGEN-LEVEL-TEMP-SENSITIVE			GRD	0	11393C	.0002C	65	1208 58512000
MACH		FLIGHT-CONTROL-SYSTEM	GRD	233.164	673.708	.0079	62	1135 58514000
MACH			GRD	1750	2942.72	.004	61	1081 58516000
MOTIONAL-PICKUP			AIR	929.933	982.817	.79143	66	1261 58518000A
MOTIONAL-PICKUP			AIR	1179.36	1329.22	.19258	65	1188 58520000
OIL-PRESSURE			AIR	2620.81	2712.57	.538	63	2112 58522000
OXYGEN-PRESSURE			AIR	270P			65	3260 58524000
OXYGEN-PRESSURE			AIR	370P			66	2340 58526000
PICKUP			AIR	.50137C	1.95021	1.9943	65	1201 58528000
PICKUP			AIR	1.947	7.27325	.51261	65	1201 58530000
PICKUP			AIR	2.63734	10.2392	.37416	65	1201 58532000
PICKUP			AIR	2.73054	10.6212	.36622	65	1201 58534000
PICKUP			AIR	60.6796	89.9147	.19776	65	1227 58536000
PICKUP			AIR	1273.14	1522.66	.0432	66	1241 58538000
PICKUP-MOTION		AN/ASA-32E	AIR	70P			66	2361 58540000
POLAR-PATH-FLUXGATE		NAVIGATION-707-3318	AIR	70P			62	2361 58542000
POLAR-PATH-FLUXGATE		NAVIGATION-707-1218	AIR	110P			66	2361 58544000
POLAR-PATH-FLUXGATE		NAVIGATION-707-131	AIR	110P			66	2361 58546000
POLAR-PATH-FLUXGATE		NAVIGATION-707-1318	AIR	130P			65	2361 58548000
POLAR-PATH-FLUXGATE		NAVIGATION-707-331	AIR	130P			65	2361 58550000
POLAR-PATH-FLUXGATE		NAVIGATION-707-131	AIR	220P			66	2361 58552000
POLAR-PATH-FLUXGATE		NAVIGATION-707-331	AIR	230P			69	2361 58554000
PRESSURE			GRD	135.447	9	.017	65	1193 58556000
PRESSURE			LAB	35			63	1138 58558000
PRESSURE			AIR	300			57	211 58560000
PRESSURE			AIR	350			61	1068 58562000
PRESSURE			GRD	860.215	1274.66	.01395	63	1125 58564000
PRESSURE			AIR	901.84	1304.84	.143	61	1083 58566000
PRESSURE			SIM MSL	400000	79435	.64001	64	1130 58568000A
PRESSURE			GRD	126.582	492.367	.6079	62	1135 58570000
PRESSURE			AIR	0	192.847	.01194	62	1111 58572000
PRESSURE			MSL	0	1.69433C	1.359C	62	1136 58574000
PRESSURE			AIR	333.333	666.129	.012	63	1111 58576000
PRESSURE			AIR	1118.81	1278.22	.0892	62	1122 58578000A
PRESSURE			AIR	1500	1942.18	.018	59	1110 58580000
PRESSURE			AIR	2204.21	2456.03	.095	63	1111 58582000
PRESSURE			ATR	3156.86	3500.2	.091	61	1082 58584000

PICMT-CONTROL-INSTRUMENTATION  
COMPUTER-ASC-15

PRESSURE-ABSOLUTE  
PRESSURE-DIFFERENTIAL  
PRESSURE-DIFFERENTIAL  
PRESSURE-ENGINE-RATIO  
PRESSURE-ENGINE-RATIO  
PRESSURE-ENGINE-RATIO  
PRESSURE-ENGINE-RATIO



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	651 TRANSISTORS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART PERCU- LATION	PART HOURS	YR OF DATA INDEX	CRSS
PART DESCRIPTION									
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	110P				66	2365 58674000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	140P				65	2360 58674000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	190P				66	2360 58674000
SENSOR-FEEDER-FAULT		ELECTRICAL-POWER-707-131B	AIR	30P				66	2362 58680000
SENSOR-FEEDER-FAULT		ELECTRICAL-POWER-707-131B	AIR	40P				65	2362 58680000
SENSOR-FEEDER-FAULT		ELECTRICAL-POWER-707-131B	AIR	70P				66	2362 58680000
SENSOR-MAIN-CABIN-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	270P				66	2360 58680000
SENSOR-AIR-OATA		AIR-PILOT-727	AIR	340P				65	2363 58680000
SENSOR-AIR-OATA		AUTO-PILOT-331C/373C	AIR	540P				65	2363 58670000
SENSOR-AIR-OATA		AUTO-PILOT-800	AIR	1000P				66	2363 58697000
SENSOR-AIR-OATA		AUTO-PILOT-331C/373C	AIR	1020P				66	2363 58694000
SENSOR-AIR-OATA		AUTO-PILOT-331C/373C	AIR	1080P				66	2363 58694000
SENSOR-AIR-OATA		AUTO-PILOT-800	AIR	1260P				65	2363 58694000
SENSOR-AIR-OATA		AUTO-PILOT-727	AIR	1650P				66	2363 58703000
SENSOR-AIR-OATA		AUTO-PILOT-727	AIR	1740P				66	2363 58703000
SENSOR-AIR-OATA		AUTO-PILOT-800	AIR	1970P				66	2363 58704000
SENSOR-AIR-FLWB		AIR-CONDITIONING-88C	AIR	330P				66	2363 58706000
SENSOR-AIR-FLOW		AIR-CONDITIONING-88C	AIR	380P				66	2363 58709000
SENSOR-AIR-FLOW		AIR-CONDITIONING-88C	AIR	900P				65	2363 58710000
SENSOR-ALTITUDE		NAVIGATION-880	AIR	90P				65	2363 58712000
SENSOR-ANGLE-OF-ATTACK		NAVIGATION-880	AIR	150P				66	2363 58714000
SENSOR-ANGLE-OF-ATTACK		NAVIGATION-707-131B	AIR	130P				66	2364 58716000
SENSOR-ANGLE-OF-ATTACK		NAVIGATION-707-131B	AIR	390P				66	2364 58718000
SENSOR-ANGLE-OF-ATTACK		NAVIGATION-707-131B	AIR	840P				65	2364 58720000
SENSOR-BLEED-AIR-FA-CONTROL		AIR-CONDITIONING-727	AIR	120P				66	2363 58722000
SENSOR-BLEED-AIR-FA-CONTROL		AIR-CONDITIONING-727	AIR	170P				65	2363 58724000
SENSOR-BLEED-AIR-FA-CONTROL		AIR-CONDITIONING-727	AIR	220P				66	2363 58726000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	110P				66	2363 58728000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	170P				65	2363 58730000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	270P				66	2363 58732000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	240P				66	2363 58734000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	340P				65	2363 58735000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	4	387.643			62	2320 58738000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	110P				66	2363 58740000
SENSOR-COCKPIT-DUCT-ANTI-ICE		AIR-CONDITIONING-727	AIR	2,39402	5.16823	100H	1,7277	65	1155 58742000



# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX RPT SPCE REF NO
SENSORS	SENSORS	FIRE DETECTION-SYSTEM	AIR	4.83364	6.64794	3200	3.7232	65	1198 58744000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM	AIR	6.0406	13.4965	2178	.655	65	1314 58746000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM-TURBOJET-J-85	AIR	87.512	118.338	946	.22854	65	1228 58748000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM	AIR	85.8288	107.283	250	.33454	65	1198 58750000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM	AIR	115.646	139.244	510	.441	65	1114 58752000
SENSORS	SENSORS	ANGUL-OF-ATTACK-SYS-FLT-INST	AIR	121.359	213.027	96	.04944	65	1227 58754000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM-MIL-D-7872A	AIR	133.333	216.578	240	.62	65	1215 58756000
SENSORS	SENSORS	FIRE/OVERHEAT-DETECTION-SYS-ENG/APU	AIR	277.591	304.548	1392	.71698	65	1227 58758000
SENSORS	SENSORS	AP-COALITIONING-SYSTEM	AIR	455.693	456.111	597	.51789	65	1272 58760000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM-ENGINE	AIR	517.11	569.496	2784	.51412	65	1228 58762000
SENSORS	SENSORS	FIRE DETECTION-SYSTEM	AIR	647.248	680.687	3248	.70129	64	1179 58764000
SENSORS	SENSORS	AIR-CRAFTEERING-SYSTEM	AIR	714.285	912.264	160	.042	66	1225 58766000
SENSORS	SENSORS	AUTOMATIC-STABILIZATION-EQUIPMENT	AIR	2533.33	2547.93	120	.03	65	1215 58768000
SENSORS	SENSORS	AIR-PORTAL-FLIGHT-RECORDER	AIR	190	93.1472	48	.02472	65	1227 58770000
SENSORS	SENSORS	AIR-FLIGHT	AIR	11.0				66	2380 58772000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	11.0				66	2380 58774000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	222P				66	2361 58776000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	230P				66	2361 58778000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	270P				66	2361 58780000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	400P				66	2364 58782000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	55.0				65	2361 58784000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	630P				64	2364 58786000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	670P				66	2361 58788000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	690P				66	2361 58790000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	720P				66	2361 58792000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	780P				65	2361 58794000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	790P				66	2364 58796000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	840P				65	2364 58798000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	840P				66	2361 58800000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	903.396	937.789	152	1.325	64	1153 58802000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	910P				66	2361 58804000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	970P				66	2364 58806000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	1010P				66	2364 58808000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	1120P				66	2364 58810000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	1540P				65	2361 58812000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	2110P				65	2364 58814000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	3390P				65	2364 58816000
SENSORS	SENSORS	AIR-FLIGHT-7-7-131B	AIR	60P				65	2364 58818000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	71P				66	2361 58820000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	70P				66	2361 58822000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	13.0				65	2361 58824000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	230P				65	2361 58826000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	260P				65	2361 58828000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	260P				65	2361 58830000
SENSORS	SENSORS	NAVIGATION-7-7-131B	AIR	260P				65	2361 58832000

20 N.O.C.

ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YH OF DATA RPT	CROSS INDEX REF NO
CC	N.E.C.								
	SENSORS-ANGLE-OF-ATTACK	NAVIGATION-707-1310	AIR	400P				65	2301 58534000
	SENSORS-ANGLE-OF-ATTACK	NAVIGATION-707-1310	AIR	400P				66	2301 58534000
	SENSORS-ANTICIPATOR	DUCT-CARGO-COMPARTMENT-AIR-CONDITION	AIR	121.545	225.497	76	.04113	66	2301 58534000
	SENSORS-ANTICIPATOR	DUCT-CARGO-COMP-AIR-COND.	AIR	161.812	323.363	48	.02472	65	1250 58534000A
	SENSORS-ANTICIPATOR	DUCT-FLIGHT-STATION-AC	AIR	283.171	476.169	48	.02472	65	1227 58540000
	SENSORS-ANTICIPATOR	DUCT-FLIGHT-STATION-AIR-CONDITION	AIR	622.141	822.669	76	.04113	66	1250 58540000A
	SENSORS-ANTICIPATOR	PHI-AIR-CONDITION	AIR	644.298	773.225	152	.08226	66	1250 58540000A
	SENSORS-ANTICIPATOR	PHI-AIR-COND	AIR	647.249	820.039	96	.04944	65	1227 58540000
	SENSORS-ATTACK-ANGLE	STALL-WARNING-SYSTEM	AIR	20.2265	79.6751	96	.04944	65	1227 58550000
	SENSORS-ATTACK-ANGLE	STALL-WARNING-SYSTEM	AIR	680.768	812.843	152	.08226	66	1250 58550000
	SENSORS-BETA-RAY		LAB	14				63	1138 58550000
	SENSORS-BLEED-AIR-OVERHEAT	CALCO-FLOOR-AUXILIARY-POWER-UNIT	AIR	0	13.9975	304	.1645	66	1250 58550000
	SENSORS-BLEED-AIR-OVERHEAT	WING-PYLON-AIR-CONDITIONING	AIR	0	23.2868	192	.09882	65	1227 58550000
	SENSORS-BLEED-AIR-OVERHEAT	WING-PYLON-AIR-CONDITION	AIR	0	2.70193	2060	1.4196	66	1250 58550000
	SENSORS-BLEED-AIR-OVERHEAT	CARGO-FLOOR-APU	LAB	34				63	1138 58550000
	SENSORS-CONTROL-WHEEL	AUTO-FLIGHT-CONTROL-SYSTEM	AIR	0	2.65135	1680	.8652	65	1227 58550000
	SENSORS-COOLING-ELECTRONIC	AIR-CONTROL-SYSTEM	AIR	0	162.431	76	.04113	66	1250 58550000A
	SENSORS-FEEDER-FAULT	ELECTRICAL-POWER-707-1310	AIR	0	93.1472	48	.02472	65	1227 58550000A
	SENSORS-FIRE-DETECTION	ELECTRICAL-POWER-707-1310	AIR	0				66	2361 58570000
	SENSORS-FIRE-DETECTION	POWER-PLANT	AIR	110P	2893.82	320	.035	65	2364 58570000
	SENSORS-FIRE-DETECTION	ENGINE/AUXILIARY-POWER-UNIT	AIR	135.168	154.058	2204	1.1928	66	1250 58570000
	SENSORS-FLOW		AIR	306983	1.54414	300	2.519	65	1216 58578000A
	SENSORS-FLOW	AIR-CONDITION	AIR	66.6665	177.41	260	.03	61	1080 58580000A
	SENSORS-FREQUENCY	AC-POWER-SUPPLY-SYSTEM	AIR	76.2759	88.4961	1194	1.0357	67	1272 58580000A
	SENSORS-FUEL-PHASE	FUEL/AIR-DIELECTRIC-1-CKT	AIR	47.1142	65.8137	1617	.2547	66	1240 58580000A
	SENSORS-FUEL-PHASE	FUEL/AIR-DIELECTRIC-2-CKT	AIR	306.278	612.063	86	.01306	66	1240 58580000A
	SENSORS-HIGH-LIMIT	DUCT-AIR-CONDITIONING	AIR	222.491	335.723	96	.04944	65	1227 58580000
	SENSORS-HIGH-LIMIT	LOCKPIIT	AIR	254.545	345.963	320	.055	61	1080 58590000A
	SENSORS-HIGH-LIMIT	DUCT-AIR-CONDITION	AIR	255.288	342.624	152	.08225	66	1250 58590000A
	SENSORS-LIQUID-LEVEL		LAB	2.6				63	1138 58594000
	SENSORS-LIQUID-LEVEL-FUEL		GRD	2277.72	8840.22		.00044	65	1207 58596000
	OVERFILL-PREVENTION							64	1144 58598000A
	SENSORS-LOAD	CANOPY-DEFEC	AIR	0	46.5673	100	.05676	63	1138 58598000
	SENSORS-LOAD	CANOPY-DEFEC	LAB	4.7				65	1228 58598000
	SENSORS-OVERHEAT	CANOPY-DEFEC	AIR	0	20.1505	473	.11427	64	1179 58598000
	SENSORS-OVERHEAT	AFT-USELACE	AIR	22.8154	60.7152	406	.08766	64	1179 58598000
	SENSORS-OVERHEAT-DUAL	TORQUEMETER-ENGINE-INSTRUMENTATION	AIR	175.897	220.482	400	.19898	66	1241 58598000
	SENSORS-PICKUP-MAGNETIC	TORQUEMETER-ENGINE-INSTRUMENTATION	AIR	6.44496	14.3524	400	.46548	65	1198 58598000
	SENSORS-PICKUP-MAGNETIC	TORQUEMETER-ENGINE-INSTRUMENTATION	AIR	26.5392	41.8907	200	.33912	63	1198 58598000
	SENSORS-PICKUP-MAGNETIC	TORQUEMETER-ENGINE-INSTRUMENTATION	AIR	3.10.3	47.5117	200	.255	63	1144 58598000
	SENSORS-PICKUP-MAGNETIC	TORQUEMETER-ENGINE-INSTRUMENTATION	AIR	90.6171	113.261	200	.507.3	65	1198 58598000
	SENSORS-PICKUP-MAGNETIC	TORQUEMETER-ENGINE-INSTRUMENTATION	AIR	1.7.648	133.673	408	.302	63	1144 58598000
	SENSORS-POSITION	AUTO-FLIGHT	AIR	0				66	2380 58598000

COMP. AIR DEV. ELEMENT CONT'D, CHIEF ISS AFB, N.Y.  
SECTION J FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	TRANSLOCATES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90% CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRC	CROSS INDEX REF NO
J. N.E.C.									
SENSORS-PRESSURE		ENGINE-COMPRESSION-CONTROL	LAB	3.5				63	1138 58920000
SENSORS-PRESSURE		BRK-ANTI-SKID-LANDING-GEAR	AIR	18.018	47.9486	640	.111	61	1080 58922000A
SENSORS-PRESSURE			AIR	121.967	192.519		.07379	66	1241 58924000
SENSORS-PRESSURE			AIR	150				61	1068 58926000
SENSORS-PRESSURE-TOTAL		CENTRAL-AIR-DATA-COMPUTER	SIM GRD AIR		54.4092	195	.04232	64	1181 58928000A
SENSORS-PRESSURE-TOTAL		T-2-IGNITION-SYSTEM-TURBOJET-J-85	AIR	137.443	197.604	812	.10186	64	1179 58930000
SENSORS-TEMPERATURE		CABIN	AIR		192.947	31	.01194	63	1111 58932000
SENSORS-TEMPERATURE			LAB	3.3				63	1138 58934000
SENSORS-TEMPERATURE		CANDY-DEFOG	AIR	22.8154	60.7152	406	.08766	64	1179 58936000
SENSORS-TEMPERATURE		CLIP-INT-FIRE-DETECTOR-SYSTEM	AIR	73.5464	84.1873		1.3929	66	1241 58938000
SENSORS-TEMPERATURE		CABIN-AIR-TEMP-STAT	AIR	76.5696	257.893	86	.01306	66	1240 58940000A
SENSORS-TEMPERATURE		CARGO-LLFUG	AIR	96.2632	145.253	473	.11427	65	1228 58942000
SENSORS-TEMPERATURE		CARGO-COMP-AIR-COND	AIR	121.359	270.258	48	.02472	65	1227 58944000
SENSORS-TEMPERATURE			AIR	150				61	1068 58946000
SENSORS-TEMPERATURE		FLIGHT-STATION-AIR-CONDITIONING	AIR	2.2.265	375.19	48	.02472	65	1227 58948000
SENSORS-TEMPERATURE		CABIN-AIR-CONDITIONING	AIR	273.785	360.296	406	.08766	64	1179 58950000
SENSORS-TEMPERATURE		PH-LXIT-AIR-CONDITIONING	AIR	283.171	407.119	96	.04944	65	1227 58952000
SENSORS-TEMPERATURE		CABIN-AIR-CONDITIONING	AIR	297.56	374.232	473	.11427	65	1228 58954000
SENSORS-TEMPERATURE		AIR-INLET-FROH	AIR	306.270	815.053	43	.07653	64	1240 58956000
SENSORS-TEMPERATURE		COMPRESSOR-INLET-MECHANICAL	AIR	450.418	806.439	86	.01376	66	1240 58958000A
SENSORS-TEMPERATURE		COCKPIT	AIR	450.909	635.622	320	.055	61	1080 58960000A
SENSORS-TEMPERATURE		CABIN-AIR	AIR	765.696	1421.32	43	.01673	66	1240 58962000A
SENSORS-TEMPERATURE			AIR	83.3331	324.141	31	.012	63	1111 58964000
RESISTANCE-BUILD			AIR	583.333	980.908	31	.012	63	1111 58966000
SENSORS-TEMPERATURE		AIR-CONDITIONING	AIR	121.359	213.027	96	.04944	65	1227 58968000
SENSORS-TEMPERATURE-LUM-LIMIT-W/S		FLOOR-HEAT-SYSTEM	AIR	80.9061	211.303	48	.02472	65	1227 58970000
SENSORS-TEMPERATURE-ANTICIPATOR		WING-ANTI-ICE-SYSTEM	AIR	6.74217	26.225	288	.14032	65	1227 58972000
SENSORS-TEMPERATURE-CONTROL		FLOOR-HEAT-SYSTEM	AIR	40.453	157.35	48	.02472	65	1227 58974000
SENSORS-TEMPERATURE-CONTROL			GRD		135.447	9	.017	65	1193 58976000
SENSORS-TEMPERATURE-DYNAMIC		RUDDER-AFCS	AIR		55.9834	76	.04113	66	1250 58978000A
SENSORS-TEMPERATURE-DYNAMIC		PUDDER-AUTO-FLIGHT-CONTROL-SYSTEM	AIR	40.453	157.35	48	.02472	65	1227 58980000
SENSORS-TEMPERATURE-EQUIPMENT-COOLING-LINE			AIR	306.278	612.063	86	.01306	66	1240 58982000
SENSORS-TEMPERATURE-INSTRUMENT-SYSTEM			AIR	18.521	37.0123	126	.21597	65	1155 58984000
STRAIN-GAGE			LAB	12				63	1138 58986000
STRAIN-GAGE			AIR	120				61	1068 58988000
SWEET-WATER-ALARM			AIR	.00417				61	2231 58990000
THERMISTOR			LAB	15				63	1138 58992000
VANE-AS-PRLY-WIND-DIRECTION			SIM GRD AIR		71.9562	139	.032	63	1117 58994000

COMPL. AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION HOURS	VR OF DATA INDEX RPT SRCE REF NO	CROSS
1	ACCELERATION	AIRBORNE-FLIGHT-RECORDER	AIR	4	55.9834	76	.04113	66 1250 58998000A
2	ANGLE	NAVIGATION-707-131B	AIR	334.5				57 211 58998000
3	ANGLE	NAVIGATION-707-131B	AIR	70P				66 2362 59000000
4	ANGLE	NAVIGATION-880	AIR	80P				65 2362 59007000
5	ANGLE	NAVIGATION-727	AIR	90P				66 2360 59004000
6	ANGLE	NAVIGATION-707-131D	AIR	130P				66 2360 59004000
7	ANGLE	NAVIGATION-707-131	AIR	150P				66 2364 59008000
8	ANGLE	NAVIGATION-707-131	AIR	150P				65 2362 59010000
9	ANGLE	NAVIGATION-331C/331C	AIR	250P				65 2364 59012000
10	ANGLE	NAVIGATION-7-331B	AIR	260P				66 2365 59014000
11	ANGLE		AIR	3.4				65 2362 59016000
12	ANGLE		GRD					63 1138 59018000
13	FREQUENCY	AC-POWER-SUPPLY-SYSTEM	AIR	122.16	157.871	946	.22854	65 1238 59030000
14	FREQUENCY	AC-POWER-SUPPLY-SYSTEM	AIR	159.707	205.794	812	.17532	64 1179 59022000
15	FLUID LEVEL	TANK-MAIN	AIR	242.105	320.561	76	.095	64 1266 59024000A
16	PRESSURE GAS	HYDROGEN-AND-OXYGEN-SYSTEM-MODULES	QUAL TEST	166.666C	648.283C	8	.006C	66 2340 59026000A
17	PRESSURE GAS	HYDROGEN-AND-OXYGEN-SYSTEM-MODULES	QUAL TEST	166.666C	648.283C	8	.026C	66 1264 59028000
18	PRESSURE GAS	HYDROGEN-AND-OXYGEN-SYSTEM-MODULES	LAB	166.666C	648.283C	8	.076C	66 2340 59030000A
19	RESISTANCE	SAT	SAT	4	2.39376	36	.24512	66 1226 59034000
20	TEMPERATURE	SUB	SUB	281.80	749.618	30	.071	65 1246 59036000
21	TEMPERATURE	AIR	AIR	285.714	570.967		.014	64 1082 59038000
22	TEMPERATURE	AIR	AIR	166.666	443.925	31	.012	63 1111 59040000
23	TEMPERATURE	AIR-CONDITIONING-SYSTEM	AIR GND	387.643			.00504	67 2320 59042000
24	TEMPERATURE	AIR-CONDITIONING-SYSTEM	AIR GND	775.05	1124.71		.03554	62 2330 59044000
25	TEMPERATURE	AIR-CONDITIONING-SYSTEM	AIR GND	84.175	127.415		.01188	67 2320 59046000
26	TEMPERATURE	AIR-CONDITIONING-SYSTEM	AIR	256	438.837	62	.024	63 1111 59048000

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WIRE/ELECTRONIC PART FAILURE RATE DATA

FROM AIR DEVELOPMENT CENTER, GEORGETOWN, AFB, MS, JANUARY 1972

SECTION 1 FAILURE RATE DATA

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95% CONF LIMIT	PART NUMBER	YR OF DATA	CRSS INDEX
-74 TEMPERATURE								
SENSOR-DUCT-TIPS-DEU-F	AIR-CONDITIONING-SYSTEM		AIR GND	54.1167	219.277		62	2320 59050000
SENSOR-DUCT-AIR-LIM	AIR-CONDITIONING-727		AIR	90P			65	2360 59050000
SENSOR-DUCT-AIR-LIM	AIR-CONDITIONING-727		AIR	14.3P			65	2360 59050000
SENSOR-DUCT-AIR-LIM	AIR-CONDITIONING-727		AIR	150P			66	2360 59050000
SENSOR-DUCT-AIR-LIM	AIR-CONDITIONING-727		AIR	15.9			65	2360 59050000
SENSOR-DUCT-REVERSE-CL-CL	AIR-CONDITIONING-SYSTEM		AIR GND	*	387.643		62	2320 59050000
SENSOR-ELEMENT-CABIN	AIR-CONDITIONING-727		AIR	90P			66	2360 59050000
SENSOR-ELEMENT-CABIN	AIR-CONDITIONING-727		AIR	14.3P			63	2360 59050000
SENSOR-PLATE-MOUNTED-125-DEG-F	AIR-CONDITIONING-SYSTEM		AIR GND	*	17.5286		62	2320 59050000
SENSOR-PLATE-MOUNTED-125-DEG-F	AIR-CONDITIONING-SYSTEM		AIR GND	*	387.643		62	2320 59050000
SENSOR-DUCT-TIPS-DEU-F	AIR-CONDITIONING-SYSTEM		AIR GND	50.005	1124.71		62	2320 59050000
SENSOR-DUCT-TIPS-DEU-F	AIR-CONDITIONING-SYSTEM		AIR GND	168.35	654.831		62	2320 59050000
SENSORS	CABIN-DEU-F		AIR	30.8945	43.452	597	67	1272 59050000
SENSORS	CABIN-DEU-F		AIR	121.565	225.375	76	66	1250 59050000
SENSORS	CABIN-DEU-F		AIR	146.384	484.375	76	66	1250 59050000
SENSORS	CABIN-DEU-F		AIR	474.106	587.03	152	66	1250 59050000
SENSORS-ANTICIPATOR	CLOCK-HEAT-SYSTEM		AIR	97.2526	194.348	76	66	1250 59050000
SENSORS-CONTROL	WIND-ANTI-ICE-SYSTEM		AIR	4.05186	13.7885	450	66	1250 59050000
SENSORS-COM-LIMIT-4/5	AIR-CONDITIONING		AIR	121.565	225.375	76	66	1250 59050000
-74 VIBRATION								
PICKUP-ENGINE-VIBRATION			SIM MSI	165300	387.643	27	65	1130 59050000
			AIR	54.7112	75.2471	608	66	1250 59050000

ADOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1964

PART CLASS 903 TRAPS

PART DESCRIPTION FUNCTIONAL APPLICATION

.00 N.D..

ENVIRONMENT RATE FAILURE 90 CONF LIMIT UPPER PART POPU- PART PART DATA INDEX  
LATION REURS APT SIZE REF NO

WATER-SEPARATOR-AIR-CONDITIONING-  
SYSTEM

192.847 31 .0154 63 111 50040000

1

NON-ELECTRONIC PART FAILURE RATE DATA

FROM AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS	404 TRAYS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR OF DATA INDEX	JANUARY 1968
				AIR GRD	10R	19.1848 16.8578	100	11637	65 1190 59084000	
								1R	64 1134 56196000	

410 M.D.C.

BATTERY-DC-POWER-SUPPLY  
VALVE-30MM-GUN

AGMC AIR DEVELOPMENT CENTER, GRIPPISS AFB, N.Y.  
SECTION I

FAILURE RATE DATA

JANUARY 1968

PART CLASS 905 THREADS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
90 COUN  
LIMIT

PART  
P-000-  
LAYTON W0003

VR  
OF DATA INDEX  
NPT ENCE REP 186

.00 N.B.C.

080R.MECHANICAL-FORWARD-ENTRANCE  
080R.MECHANICAL-FORWARD-ENTRANCE

AIR  
AIR

0  
0

93.7472 48  
95.9834 74

.82672  
.04113

65 1227 50180000  
66 1250 59102000A



HOPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

PART CLASS 906 TRIGGERS

PART DESCRIPTION FUNCTIONAL APPLICATION

.03 N-6-L.

MONOELECTRONIC PART FAILURE RATE DATA JANUARY 1968

ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
AIR	0	10.0752	946	.22854	65	1228 59104000
AIR	1.93166	5.13884	1194	1.0357	67	1272 59106000
AIR	4.82765	8.955	1194	1.0357	67	1272 59108000
AIR	6.7512	23.2882	946	.22854	65	1228 59110000

INSTRUCTORS-SEAT  
STUDENT-SEAT  
INSTRUCTION-SEAT  
STUDENT-SEAT

# SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1968

SMITHSONIAN 1994 SSV 22 AMYD

**AGENCY DESCAIPIYIN**

# FUNCTIONAL APPLICATION

**FAILURE**

**TOP SECRET**

**PART**

SAID

**W. O. W. C.**

[illegible]

JANUARY 1968

HOMELECTRONIC PART FAILURE RATE DATA

Rome AIR DEVELOPMENT CENTER, CRIPPISS AFB, N.Y.

SECTION I FAILURE RATE DATA

PART CLASS 908 TRUSSES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

YR OF DATA INDEX

CRSSS RPT SACE REF NO

-00 N-B-C.

ENGINE-MOUNT-WING-OUTER  
ENGINE-WING-WING-CENTER  
ARRESTING-HOOK-SYSTEM  
ARRESTING-HOOK

ENVIRONMENT	RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA INDEX	CRSSS RPT SACE REF NO
AIR	0	4.94372	400	-44548	65	1198 591740000
AIR	0	4.94372	400	-44548	65	1198 591740000
AIR	63.3487	131.561	63	-10798	65	1198 591740000
AIR	166.666	229.229		-108	65	2104 591820000

ASSEMBLY

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1949  
 SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

PLAY CLASS	920 TUBES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATENCY	PART TURNS	WA OF DATA	CROSS INDEX
PART DESCRIPTION								MTY SINCE REF NO	
.10 TORQUE									
DOOR-EMERGENCY-SIDE-EXIT	AIR			0	23.2660	192	.04986	63	1227 59184000
RUDDER-ASSEMBLY	AIR			0	19.7868	100	.11637	63	1198 59184000
DOOR-LANDING-GEAR-MAIN	AIR			0	13.9475	304	.1645	66	258 59184000
ELEVATOR-ASSEMBLY	AIR			0	19.7868	100	.11637	63	1198 59184000
FLIGHT-STABILIZING-AILERON-CONTROL	AIR			0	27.1597	50	.08478	63	1198 59184000
DOOR-ELEC-AIR-SPOILER-PARATROOP	AIR			0	93.1472	48	.02412	63	1227 59184000
ELEVATOR-CONTROL-SYSTEM	AIR			0	27.9917	152	.08226	66	1250 59184000
RUDDER-FLIGHT-CONTROL	AIR			0	59.9834	76	.04113	66	1250 59184000
LOCK-CANOPY-STUDENT	AIR			0	20.1505	475	.11427	63	228 59206000
RUDDER-ASSEMBLY	AIR			0	18.1435	80	.12091	63	1198 59206000
FLIGHT-STABILIZING-AILERON-CONTROL	AIR			0	9.89544	280	.23274	63	1198 59206000
RUDDER-SYSTEM	AIR			0	10.0752	945	.22854	63	1228 59206000
WING-FLAP-ASSEMBLY	AIR			0	192.847	31	.01164	63	1111 59206000
DOOR-HYDRAULIC-PETAL	AIR			0	27.9917	152	.08226	66	1250 59210000
FLIGHT-STABILIZING-ELEVATOR-ASSEMBLY	AIR			0	19.7868	100	.11637	63	1198 59210000
FLIGHT-STABILIZING-ELEVATOR-ASSEMBLY	AIR			0	27.1597	50	.08478	63	1198 59210000
WING-FLAP-ASSEMBLY	AIR			0	.82448	2400	.27925	63	1198 59210000
FLIGHT-STABILIZING-AILERON-CONTROL	AIR			0	18.1435	50	.12091	63	1198 59210000
RUDDER-FLIGHT-CONTROL	AIR			0	93.1472	48	.02412	63	1227 59220000
DOOR-ELECTRIC-AIR-SPOILER-PARATROOP	AIR			0	59.9834	76	.04113	66	1250 59220000
ELEVATOR-CONTROL-SYSTEM	AIR			0	46.5736	96	.04944	63	1227 59224000
DOOR-LANDING-GEAR-MAIN	AIR			0	23.2660	192	.09888	63	1227 59224000
DOOR-EMERGENCY-SIDE-EXIT	AIR			0	13.9475	304	.1645	66	258 59224000
FLIGHT-STABILIZING-ELEVATOR-ASSEMBLY	AIR			0	10.1435	50	.12091	63	1198 59224000
LOCK-CANOPY-INSTRUCTOR	AIR			0	28.2673	406	.08764	64	1179 59232000
WING-FLAP-ASSEMBLY	AIR			0	342595	1150	2.9189	63	1198 59234000
WING-FLAP-ASSEMBLY	AIR			0	1.47438	800	1.3565	63	1198 59234000
WING-FLAP-ASSEMBLY	AIR			0	1.68005	800	1.199	63	1114 59238000
WING-FLAP-ASSEMBLY	AIR			0	1.4018	2054	1.11	66	1250 59240000
RUDDER-SYSTEM	AIR			0	4.9226	1294	.64774	63	1227 59242000
LOCK-CANOPY-INSTRUCTOR	AIR			0	5.79273	597	.51789	67	1272 59244000
RUDDER-ASSEMBLY	AIR			0	7.72364	597	.51789	67	1272 59244000
LOCK-CANOPY-INSTRUCTOR	AIR			0	8.7512	475	.11427	63	1228 59248000
RUDDER-SYSTEM	AIR			0	11.4077	812	.17532	64	1179 59252000
LOCK-CANOPY-STUDENT	AIR			0	11.5854	297	.51789	67	1272 59254000
RUDDER-ASSEMBLY	AIR			0	13.3333	50	.075	63	1114 59258000
STABILIZER-HORIZONTAL	AIR			0	13.5143	597	.51789	67	1272 59258000
DOOR-LANDING-GEAR-MAIN	AIR			0	14.8351	33.0814	.20193	63	123 59260000
STABILIZER-HORIZONTAL	AIR			0	17.5024	475	.11427	63	1228 59262000
DOOR-HYDRAULIC-PETAL	AIR			0	20.2265	96	.04944	63	1227 59264000
RUDDER-CONTROL-SYSTEM	AIR			0	20.2265	96	.04944	63	1227 59264000
STABILIZER-HORIZONTAL	AIR			0	22.8154	406	.08764	64	1179 59268000
RUDDER-ASSEMBLY	AIR			0	23.5904	62.7777	.08478	63	1198 59270000
RUDDER-CONTROL-SYSTEM	AIR			0	24.3131	152	.08226	66	1250 59270000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 52C TURBID

PART DESCRIPTION

UPPER PART

FAILURE RATE

ENVIRONMENT

FUNCTIONAL APPLICATION

YR OF DATA INDEX

CROSS REF NO

52C VENTURI

FLOW-LIMITING	AIR-CONDITIONING-SYSTEM	AIR	90P	192.847	31	.01154	63	1111	59274000
FLOW-LIMITING	CONTROL-CABIN-PRESSURE-AIR-CONDITION	AIR	90P	55.9834	76	.04113	66	1230	59274000
MASS-FLOW	CONTROL-CABIN-PRESSURE-AIR-CONDITION	AIR	3	93.1472	48	.02472	65	1227	59278000
MASS-FLOW	BLEED-AIR-SYSTEM	AIR	4	46.5736	96	.04944	65	1227	59280000
MASS-FLOW	BLEED-AIR-SYSTEM	AIR	90P	27.5917	152	.08226	66	1250	59282000
MASS-FLOW	AIR-CONDITIONING-727	AIR	100P				66	2365	59284000
MASS-FLOW	AIR-CONDITIONING-727	AIR	280P				66	2360	59286000
MASS-FLOW	AIR-CONDITIONING-727	AIR	32CP				66	2365	59290000
MASS-FLOW	AIR-CONDITIONING-727	AIR	610P				65	2365	59292000
MASS-FLOW	AIR-CONDITIONING-727	AIR	690P				65	2365	59294000

53C N-0-0-0

PERCOLATOR-TANK-INTTEGRAL-TYPE-FUEL-SYSTEM	AIR	90P	9.07173	100	.25362	65	1192	59296000
DOOR-EMERGENCY-FORMAP-ESCAPE-HATCH	AIR	90P	93.1472	48	.02472	65	1227	59298000
MOUNT-ENGINE-AFT-WING-OUTER	AIR	90P	9.25344	200	.23274	65	1198	59300000
PERCOLATOR-TANK-INTTEGRAL-TYPE-FUEL-SYSTEM	AIR	90P	6.78992	200	.33912	63	1198	59302000
LOCK-EMERGENCY-FORMAP-ESCAPE-HATCH	AIR	90P	55.9834	76	.04113	66	1250	59304000
MOUNT-ENGINE-WING-CENTER	AIR	90P	9.25344	200	.23274	65	1198	59306000
SUPPORT-SEAT-CARGO-COMPARTMENT	AIR	24558	.955231	7524	4.072	66	1250	59308000
ELIMINATOR-WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	8.89679	13.7069	750	1.124	63	1114	59310000
ELIMINATOR-WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	9.45618	13.7069	750	1.2717	63	1198	59312000
BUFFER-LOADER-20MM-GUN	AIR	109	15.0388	28	.4R	64	1134	59314000
CLUTCH-VALVE-LOADER-20MM-GUN	AIR	109	38.8177	7	.1R	64	1134	59316000
HARNESSES-FUEL-ENRICHMENT-ELECTRICAL-SYSTEM	AIR	13.629	22.91	4	.51361	65	1201	59318000
ELIMINATOR-WATER-SEPARATOR-AIR-CONDITION-FLIGHT-DECK	AIR	18.6632	25.075	750	1.124	63	1114	59320000
ELIMINATOR-WATER-SEPARATOR-AIR-CONDITION-FLIGHT-DECK	AIR	22.8041	25.251	750	1.2717	63	1198	59322000
GAS-EJECTION-20MM-GUN	AIR	109	52.6008	4	.2R	64	1134	59324000
HAN-VALVE-LOADER-20MM-GUN	AIR	94R	79.9358	7	.1R	64	1134	59326000
SPID-MAIN-LH/RH	HELI	1874.65	2040.27	40	.01203	65	1257	59328000
PERCOLATOR-TANK-INTTEGRAL-TYPE-FUEL-SYSTEM	AIR	90P	4.94672	400	.46548	65	1198	59330000
TURBOJET-J62	AIR	2.1878	8.50988	1892	.49708	65	1228	59332000
TURBOJET-J62	AIR	4.90865	19.0933	1624	.22312	64	1179	59334000
POWER-PLANT	AIR	13.8998	24.3932	252	.43194	65	1153	59336000

AF-2 AIR DEVELOPMENT CENTER, GRAPPLISS AFB, N.Y.  
SECTION 1 FAILURE DATA

NON-ELECTRONIC PART FAILURE DATA

JANUARY 1968

PART CLASS	920 YEARS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LIMIT	DATA POINTS	PART HOURS	DATA INDEX
BLEED CONTROL		AFT-COMPRESSOR-BASIC-ENGINE	ATM		1.347	7.57525	328	-31367	65 1281 59338000
CONTROL		ELEVATOR-SYNCHRONIZED	MELT		9.25423	21.9437	280	-2423	66 1257 59340000
CONTROL		ELEVATOR-SYNCHRONIZED	MELT		11.2739	43.8923	280	-0887	66 1257 59340000
CONTROL		CYCLE-AFT/MIXING-LEVER	MELT		21.6606	48.2868	160	-1385	66 1257 59340000
CONTROL		STAB/BAR-TO-DAMPER, MAIN-ROTOR	MELT		147.038	391.343	40	-0136	66 1257 59340000
CONTROL		STAB/BAR-TO-DAMPER, MAIN-ROTOR	MELT		434.782	654.053	60	-0253	66 1257 59340000
CONTROL		SCISSORS/STAB-BAR, MAIN-ROTOR	MELT		1213.87	1401.85	80	-0692	66 1257 59340000
CONTROL		STAB/BAR/SCISSORS, MAIN-ROTOR	MELT		1397.64	1904.59	40	-0136	66 1257 59340000
DRIVE		WING-SPOILER-SYSTEM	MELT		1643.31	2492.63	40	-01085	66 1257 59340000
DRIVE		WING-SPOILER-SYSTEM	MELT		6	3.56258	1248	-64272	65 1227 59340000
FUEL		MAIN-OVERBOARD-VENT	ATM		6	2.15347	1774	1.049	66 1250 59340000
INDICATING		INFLIGHT-REFUEL-SYSTEM	ATM		36.7647	68.1783	638	-04969	63 1123 59340000
INTERCONNECT		THRUSTLE-ENGINE-CONTROL-SYSTEM	ATM		43.9066	102.271	1	-136	66 1253 59362000
INTERCONNECT		THRUSTLE-ENGINE-CONTROL-SYSTEM	ATM		6	13.9475	304	-04535	66 1241 59364000
LUBE		SUN-GEAR-REDUCTION-GEAR	ATM		6	23.2868	192	-1645	66 1250 59366000
LUBE		SUN-GEAR-REDUCTION-GEAR	ATM		389393	1.51462	2640	-09086	65 1227 59368000
LUBE		SUN-GEAR-REDUCTION-GEAR	ATM		1.70305	1.66449	8500	3.5681	65 1201 59370000
MIDDLE		SUN-GEAR-REDUCTION-GEAR	ATM		2.11003	4.21661	2000	9.9723	65 1201 59372000
PERFORATED		SUN-GEAR-REDUCTION-GEAR	ATM		2.18447	4.36843	1220	1.8917	65 1201 59374000
PITOT-STATIC		INFLIGHT-REFUEL-SYSTEM	ATM		9.6871	37.6799	500	1.8511	65 1201 59376000
PITOT-STATIC		PURGE-SYSTEM-PURGE	ATM		28.9017	6.78992	500	-10323	66 1241 59378000
PUSH-PULL		PITCH-TRIM-ACTUATOR	MELT		183.183	112.419	40	-35912	63 1198 59380000
PUSH-PULL		PITCH-TRIM-ACTUATOR	MELT		6	720.314	70	-0346	66 1257 59382000
SUPPORT		CYLING-ENGINE-MACELLE TURBOPROP	ATM		6	55.9834	76	-0034	66 1257 59384000
SUPPORT		SEAT-CARGO-COMPARTMENT	ATM		6	93.1472	45	-04113	64 1250 59386000
SUPPORT		SENSORS-FIRE-DETECTION-SYSTEM	ATM		6	1.23669	1600	-02472	65 1227 59388000
TELESCOPING		DOOR-MECHANICAL-CREW	ATM		4.28664	11.434	400	1.0019	65 1198 59390000
TELESCOPING		DOOR-MECHANICAL-CREW	ATM		55.1571	92.7459	50	2.4473	65 1227 59392000
TELESCOPING		DOOR-MECHANICAL-CREW	ATM		64.1818	115.682	102	-48348	63 1198 59394000
TELESCOPING		DOOR-MECHANICAL-CREW	ATM		103.119	152.901	150	-12691	63 1198 59396000
TELESCOPING		DOOR-MECHANICAL-CREW	ATM		129.747	195.779	50	-088	63 1114 59398000
TELESCOPING		DOOR-MECHANICAL-CREW	ATM		146.646	221.308	50	-11437	63 1198 59400000
FIRE		LANDING-GEAR-NOSE	ATM		13.8903	30.9339	120	-08478	63 1198 59402000
FIRE		TIP-PROTECTION-GEAR	ATM		41.6935	162.953	62	-075	63 1114 59404000
FIRE		LANDING-GEAR-MAIN	ATM		46.3027	71.3369	126	-21597	64 1155 59406000
FIRE		LANDING-GEAR-MAIN	ATM		91.076	110.128	426	-02387	63 1111 59408000
1885.5		LANDING-GEAR-MAIN	ATM		20542.2	2027.69	848	-21597	64 1268 59412000
1490.5		LANDING-GEAR-MAIN	ATM		27.7777	48.7597		1.077	64 1268 59414000
			ATM		92.5925	125.208		-216	63 2101 59416000
			ATM					-216	63 2101 59418000

FROM AND DEVELOPMENTAL CENTER, CHIFFESS AFB, N.Y.  
PATIENT NAME DATA

[illegible]

# HOME AIR DEVELOPMENT CENTER, CRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS	921 TURNING, CASTINGS, AND SLEEVING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER % CONF LIMIT	PART POPULATION	PART HOURS	TR OF DATA INDEX
PART DESCRIPTION								
-00 N-B-C.								
LINES	FUEL-SYSTEM-APU	AIR			93.1472	48	.02472	65 1227 5948670
LINES	FUEL-DISTRIBUTION-SYSTEM	AIR			93.1472	48	.02472	65 1227 5948670
LINES	FUEL-VENT-SYSTEM	AIR			93.1472	48	.02472	65 1227 5948670
LINES	BLEED-AIR-VALVE-COMPRESSOR-BASIC-ENGINE	AIR			23.2808	192	.09888	65 1227 5948670
LINES	ORACLE-CHUTE/PILOT	AIR			33.7921		.06814	63 1123 5948670
LINES	OIL-SYSTEM-AUX-POWER-UNIT	AIR			93.1472	48	.02472	65 1227 5948670
LINES	FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR			55.9834	76	.04113	66 1250 5948670
LINES	OIL-CLUSTER-ASSEMBLY-APU	AIR			93.1472	48	.02472	65 1227 5948670
LINES	RAIN-REPELLANT-SYSTEM	AIR			93.1472	48	.02472	65 1227 5948670
LINES	RAIN-REPELLANT-SYSTEM	AIR			55.9834	76	.04113	66 1250 5948670
LINES	INTERCONNECT-FUEL-SYSTEM	AIR			26.2673	406	.08766	64 1179 5948670
LINES	SIPHON-BREAK-FUEL-SYSTEM	AIR			192.847	31	.01194	63 1111 5948670
LINES	RELIEF-THERMAL-FUEL-SYSTEM	AIR			192.847	31	.01194	63 1111 5948670
LINES	JETTISON-FUEL-SYSTEM	AIR			55.9834	76	.04113	66 1250 5948670
LINES	FUEL-VENT-SYSTEM	AIR			55.9834	76	.04113	66 1250 5948670
LINES	FUEL-DISTRIBUTION-SYSTEM	AIR			55.9834	76	.04113	66 1250 5948670
LINES	OIL-SYSTEM-AUXILIARY-POWER-UNIT	AIR			55.9834	76	.04113	66 1250 5948670
LINES	JETTISON-FUEL-SYSTEM	AIR			93.1472	48	.02472	65 1227 5948670
LINES	OIL-CLUSTER-ASSEMBLY-GTC-AUX-POWER-PLANT	AIR			19.7808	100	.11637	65 1198 5948670
LINES	FUEL-CENTRAL/TEMP-DATUM-VALVE	LAB						
LINES	SENSING-STARTER-REDUCTION-GEAR-SYSTEM	AIR			1.95021	1716	1.5945	65 1201 5948670
LINES	SENSING-STARTER-REDUCTION-GEAR-SYSTEM	AIR			8.35632	400	.45548	65 1198 5948670
LINES	SENSING-STARTER-REDUCTION-GEAR-SYSTEM	AIR			2.83206	11.0199	.393	63 1114 5948670
LINES	SENSING-STARTER-REDUCTION-GEAR-SYSTEM	AIR			2.9488	11.4694	.33912	63 1198 5948670
LINES	SENSING-STARTER-REDUCTION-GEAR-SYSTEM	AIR			3.34448	13.009	.299	63 1114 5948670
LINES	SENSING-STARTER-REDUCTION-GEAR-SYSTEM	AIR			5.90981	13.1607	.50763	65 1198 5948670
LINES	BLEED-AIR-VALVE-COMPRESSOR-BASIC-ENGINE	AIR			6.07902	23.6455	.1645	66 1250 5948670
LINES	INTERCONNECT-FUEL-SYSTEM	AIR			8.7512	34.0395	.11427	65 1228 5948670
LINES	PLUMB(BOBWEIGHT).STABILIZER.	AIR			22.8154	60.7152	.03766	64 1179 5948670
LINES	FUEL-SINGLE-POINT-REFUELING-SYSTEM	AIR			24.3131	94.5708	.54113	66 1250 5948670
LINES	OXYGEN-SYSTEM-C/C	AIR			41.453	157.35	.02472	65 1227 5948670
LINES	FIRE-EXTINGUISHER-SYSTEM	AIR			40.453	157.35	.02472	65 1227 5948670
LINES	FIRE-EXTINGUISHER-SYSTEM	AIR			48.6263	125.401	.04113	66 1250 5948670
LINES	OIL-CLUSTER-ASSEMBLY-GTC-AUX-POWER-PLANT	AIR			58.9761	109.397	.08479	63 1198 5948670
LINES	FUEL-CLUSTER-ASSEMBLY-GTC-AUX-POWER-PLANT	AIR			60.1529	101.15	.11637	65 1198 5948670



# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## MONOELECTRONIC PART FAILURE RATE DATA

JANUARY 1967

PART CLASS 521 TURING, CASINGS, AND SLEEVING

PART DESCRIPTION FUNCTIONAL APPLICATION ENVIRONMENT RATE FAILURE RATE UPPER LIMIT CONF LIMIT PART POPULATION PART OF DATA INDEX YR RPT SRCF REF NO

LOC N.O.C.

LINES	FUEL SYSTEM	AIR	60.7902	93.6574	304	-1445	66	1250	595.16079
LINES	FUEL SYSTEM	AIR	151.699	215.335	192	-04898	65	1227	595.16079
LINES	OXYGEN SYSTEM-CARGO-COMPARTMENT	AIR	219.818	345.392	76	-04113	66	1250	595.16079
LINES	FUEL-CLUSTER-ASSEMBLY	AIR	291.757	432.325	76	-04113	66	1250	595.16079
LINES	AUXILIARY-POWER-UNIT	AIR	259.424	371.812	50	-12691	65	1198	595.16079
LINES	OIL-CLUSTER-ASSEMBLY-GTC-AUX-POWER-PLANT	AIR	323.452	347.296	1194	-10357	67	1272	595.16079
LINES	FUEL-TANK/ENGINE	AIR	0	0	0	-06814	63	1123	595.16079
LINES-CONTROL	DRUGUE/STABILIZER-CHUTE	AIR	0	0	0	-50765	65	1198	595.16079
LINES-CONTROL	AIR-INDUCTION-ENGINE-NACELLE	AIR	0	0	0	-46548	65	1198	595.16079
LINES-CONTROL	AIR-INDUCTION-ENGINE-NACELLE	AIR	0	0	0	-33912	65	1198	595.16079
LINES-CONTROL	AIR-INDUCTION-ENGINE-NACELLE	AIR	0	0	0	-11637	65	1198	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CARGO-COMPT	AIR	8.59328	33.4252	100	-068	63	1114	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-FLT-DECK	AIR	11.3636	44.2011	102	-12691	65	1198	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-FLT-DECK	AIR	15.7591	41.9375	50	-11637	65	1198	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-FLT-DECK	AIR	17.1865	45.736	100	-11427	65	1228	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CABIN	AIR	17.5024	46.5765	473	-088	63	1114	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CARGO-COMPT	AIR	22.7272	60.4806	102	-12691	65	1198	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CARGO-COMPT	AIR	23.6387	52.642	50	-08478	63	1198	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-FLT-DECK	AIR	94.3618	153.275	50	-075	63	1114	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CARGO-COMPT	AIR	176.157	167.563	50	-075	63	1114	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-FLT-DECK	AIR	176.666	173.262	50	-075	63	1114	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CARGO-COMPT	AIR	121	189.413	50	-51789	67	1272	595.16079
LINES-UPAIN	WATER-SEPARATOR-AIR-COND-CARGO-COMPT	AIR	15.4472	25.0916	597	-00328	62	1113	595.16079
LINES-UPAIN	AIR-CONCITIONING-CABIN	GRD	914.634	2036.82	51	-26323	62	213	595.16079
LINES-FLEXIBLE	PROPELLANT	GRD	931.677	2074.78	51	-02472	65	1227	595.16079
LINES-FLEXIBLE	SINGLE-POINT-REFUELING-SYSTEM	AIR	0	0	0	-02472	65	1227	595.16079
LINES-FUEL	FUEL-CLUSTER-ASSEMBLY-AUX-PMP-UNIT	AIR	121.359	270.258	48	-02472	65	1227	595.16079
LINES-FUEL	FUEL-CLUSTER-ASSEMBLY-GTC-AUX-POWER-PLANT	AIR	153.338	223.613	50	-08478	63	1198	595.16079
LINES-FUEL	TANK/ENGINE	AIR	188.227	237.598	612	-17532	64	1175	595.16079
LINES-FUEL	TANK/ENGINE	AIR	205.653	249.695	946	-22854	65	1228	595.16079
LINES-FUEL	FUEL-CLUSTER-ASSEMBLY-GTC-AUX-POWER-PLANT	AIR	299.424	371.812	50	-12691	65	1198	595.16079
LINES-HIGH-PRESSURE	MASK/REGULATOR-FLT-STO-OXYGEN-SYSTEM	GRD	15.9014	31.7771	48	-25159	62	213	595.16079
LINES-HIGH-PRESSURE	MASK/REGULATOR	AIR	0	0	0	-22248	65	1227	595.16079
LINES-HIGH-PRESSURE	MASK/REGULATOR	AIR	0	0	0	-3702	66	1250	595.16079
LINES-HIGH-PRESSURE	FLIGHT-STO-OXYGEN-SYSTEM	AIR	0	0	0	-02472	65	1227	595.16079
LINES-HIGH-PRESSURE	RECHARGE-OXYGEN-CYC	AIR	0	0	0	-07516	65	1227	595.16079
LINES-HIGH-PRESSURE	RECHARGE-OXYGEN-FIRED-SYS-FLIGHT-STO	AIR	0	0	0	-04113	66	1250	595.16079
LINES-HIGH-PRESSURE	RECHARGE-OXYGEN-CARGO-COMPARTMENT	AIR	0	0	0	-46548	65	1198	595.16079
LINES-HIGH-PRESSURE	TORQUE-SHAFT-ANTI-ICE-ENGINE	AIR	0	0	0	-59924	65	1251	595.16079
LINES-HIGH-PRESSURE	PNEUMATIC-LANDING-GEAR-EMERGENCY	AIR	0	0	0	-34622	65	1201	595.16079
LINES-HIGH-PRESSURE	FILTER-FUEL-SYSTEM	LAB	5.46119	14.533	244	-34622	65	1201	595.16079

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	421 TUBING, CASINGS, AND SLEEVING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95% CONF LIMIT	VA-1 PUPU- LATION	PART HOURS	VR OF DATA RPT SRC	CROSS INDEX REF NO
LINES-MOSE		BREATHER-OXYGEN-FIXED-SYSTEM	AIR	11.1712	16.291	1000	1.1637	65	1198 5961000
LINES-MOSE		RECHARGE-OXYGEN-FIXED-SYSTEM	AIR	14.2074	43.1304	228	.1234	66	1210 5961000
LINES-MOSE		FLIGHT-STIP	AIR						
LINES-MOSE		ACTUATOR-TIP-PROTECTION-GEAR	AIR	21.9424	81.4596	124	.04773	63	1111 5962000
LINES-MOSE		MANIFOLD-FUEL-DISTRIBUTION	AIR	25.1319	35.665	937	.35811	63	1111 5962000
LINES-MOSE		RECHARGE-OXYGEN-FIXED-SYSTEM	AIR	23.7798	38.2004	40	.04348	65	1198 5962000
LINES-MOSE		PLPB-IN-HYDRAULIC-POWER-SUPPLY	AIR	25.5192	52.7015	812	.17532	64	1179 5962000
LINES-MOSE		BREATHER-OXYGEN-FIXED-SYSTEM	AIR	35.4107	10.111	408	.706	63	1114 5962000
LINES-MOSE		PUMP-IN-HYDRAULIC-POWER-SUPPLY	AIR	52.5172	10.111	646	.22854	65	1228 5962000
LINES-MOSE		RECHARGE-OXYGEN-FIXED-SYSTEM	AIR	57.7832	10.111	150	.28072	65	1158 5962000
LINES-MOSE		BREATHER-OXYGEN-FIXED-SYSTEM	AIR	58.1109	10.111	400	1.0153	65	1198 5962000
LINES-MOSE		RECHARGE-OXYGEN-FIXED-SYSTEM	AIR	64.1509	10.111	300	.265	63	1114 5962000
LINES-MOSE		RECHARGE-OXYGEN-FIXED-SYSTEM	AIR	65.8366	131	150	.22434	63	1158 5962000
LINES-MOSE		RECHARGE-OXYGEN-FIXED-SYSTEM	AIR	71.1111	1848	150	.225	63	1114 5962000
LINES-MOSE		REGULATOR-T-MASK	AIR	93.75	112	112	.032	69	1110 5962000
LINES-MOSE		OXYGEN-SUPPLY-EMERGENCY	AIR	100.644	122.688		.04968	63	1123 5962000
LINES-MOSE		BALLISTIC-EJECTION-SYSTEM	AIR	102.669	112.757	406	.08766	64	1179 5962000
LINES-MOSE		GLAHER-OXYGEN-FIXED-SYSTEM	AIR	182.824	215.719	400	.07823	63	1158 5962000
LINES-MOSE		BREATHER-OXYGEN-FIXED-SYSTEM	AIR	190.317	215.247	400	.055	63	1114 5962000
LINES-MOSE		BALLISTIC-EJECTION-SYSTEM	AIR	201.277	246.503	473	.11427	65	1228 5962000
LINES-MOSE		ENGINE-FUEL	AIR	251.256	539.53	31	.01194	63	1111 5962000
LINES-MOSE		BALLISTIC-EJECTION-SYSTEM	AIR	314.736	348.743	597	.51789	67	1272 5962000
LINES-MOSE		SEAT-PAN/OXYGEN-MASK	AIR	342.832	401.071		.04667	63	1123 5962000
LINES-MOSE		OXYGEN-SUPPLY	AIR	418.76	776.77	31	.01194	63	1111 5962000
LINES-MOSE		OXYGEN-SUPPLY-BALLOUT-BC-TLE	AIR	559.957	773.086		.04667	63	1123 5962000
LINES-MOSE		ASSEMBLY-SPLITTER-ACTUATOR	AIR	1230.50	1711.97	868	.334	63	1111 5962000
LINES-MOSE-FLEXIBLE		OXYGEN-SYSTEM	GRO	124.704	148.658	1892	.45708	65	1228 5962000
LINES-MOSE-FLEXIBLE		OXYGEN-SYSTEM	AIR	134.04	162.746	1624	.35064	64	1179 5962000
LINES-MOSE-FLEXIBLE		OXYGEN-SYSTEM	AIR	269.852	285.04	2388	2.0715	67	1272 5962000
LINES-MOSE-FLEXIBLE		ANTI-G-SUIT	AIR	303.639	414.946	812	.17532	64	1179 5962000
LINES-MOSE-FLEXIBLE		ANTI-G-SUIT	AIR	618.238	1235.47	93	.00647	63	1123 5962000
LINES-MOSE-FLEXIBLE		ANTI-G-SUIT	AIR	631.086	702.852	946	.22854	65	1228 5962000
LINES-MOSE-FLEXIBLE		ANTI-G-SUIT	AIR	711.596	746.383	1194	1.0357	67	1272 5962000
LINES-MOSE-FUEL-CYSTRIB		SPREAD-BRAKE-SYSTEM	AIR	111.7	181.439	186	.07162	63	1111 5962000
LINES-MOSE-HYDRAULIC		ALLERCA-SYSTEM	AIR	0	10.752	946	.22854	65	1228 5962000
LINES-MOSE-HYDRAULIC		SPEED-BRAKE-SYSTEM	AIR	.965531	3.7542	1194	1.0357	67	1272 5962000
LINES-MOSE-HYDRAULIC		STEERING-LANDING-GEAR	AIR	2.86442	11.1417	300	.34911	65	1198 5962000
LINES-MOSE-HYDRAULIC		LANDING-GEAR	AIR	4.4858	10.7738	912	.494	66	1250 5962000
LINES-MOSE-HYDRAULIC		LANDING-GEAR	AIR	5.70385	22.1842	812	.17532	64	1179 5962000
LINES-MOSE-HYDRAULIC		LANDING-GEAR	AIR	10.1132	22.5215	576	.29664	65	1227 5962000
LINES-MOSE-HYDRAULIC		STEERING-LANDING-GEAR	AIR	11.8194	26.321	100	.26382	65	1198 5962000
LINES-MOSE-HYDRAULIC		ALLERCA-SYSTEM	AIR	13.5174	15.441	1194	1.0357	67	1272 5962000
LINES-MOSE-HYDRAULIC		STEERING-LANDING-GEAR	AIR	17.045	37.954	204	.176	63	1114 5970000
LINES-MOSE-HYDRAULIC		STEERING-LANDING-GEAR	AIR	31.1111	52.3141	150	.228	63	1114 5970000

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# HOME AIR DEVELOPMENT CENTER, UNIFFESS AFH, N.Y. SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1978

PART CLASS 501 TUEING, CASTINGS AND SLEEVING  
PART DESCRIPTION FUNCTIONAL APPLICATION

UPPER 95 CONF LIMIT  
FAILURE RATE  
ENVIRONMENT RATE  
PART POPU- LATION  
PART HOURS  
YR OF DATA INDEX  
CROSS REF NO

ALL N.O.C.

LINES-MOSE-MYDRAULIC	STEERING-LANDING-GEAR	AIR	31.4539	51.5918	197	25434	63 1158 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	33.358	40.6809	900	1.749	53 1114 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	34.7313	41.6811	900	1.525	63 1158 5976000
LINES-MOSE-MYDRAULIC	HORIZONTAL-STABILIZER	AIR	42.247	46.5411	4776	4.7423	67 1272 5976000
LINES-MOSE-MYDRAULIC	HORIZONTAL-STABILIZER	AIR	44.9087	47.5592	3248	7.0128	64 1179 5976000
LINES-MOSE-MYDRAULIC	HORIZONTAL-STABILIZER	AIR	51.3199	61.2284	3784	9.1415	65 1229 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	63.1353	74.3844	400	1.153	65 1198 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	67.6713	79.9672	800	1.9397	65 1198 5976000
LINES-MOSE-MYDRAULIC	STEERING-NOSEWHEEL	AIR	71.0096	113.719	473	1.1427	65 1229 5976000
LINES-MOSE-MYDRAULIC	RUDDER-SYSTEM	AIR	77.002	95.7012	1024	3.5064	64 1179 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	79.3201	94.7089	916	7.06	63 1114 5976000
LINES-MOSE-MYDRAULIC	STEERING-NOSEWHEEL	AIR	122.669	142.057	406	0.8766	64 1179 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	126.967	171.712	544	1.124	63 1114 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR	AIR	128.404	189.345	406	0.8766	64 1179 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR-MAIN	AIR	129.371	152.076	597	0.5179	67 1272 5976000
LINES-MOSE-MYDRAULIC	STEERING-NOSEWHEEL	AIR	136.892	213.844	406	0.8766	64 1179 5976000
LINES-MOSE-MYDRAULIC	RUDDER-SYSTEM	AIR	139.512	150.028	2388	2.0715	67 1272 5976000
LINES-MOSE-MYDRAULIC	RUDDER-SYSTEM	AIR	156.403	181.115	597	0.5179	67 1272 5976000
LINES-MOSE-MYDRAULIC	BRAKE-SYSTEM-LANDING-GEAR	AIR	159.707	229.016	406	0.8766	64 1179 5976000
LINES-MOSE-MYDRAULIC	BRAKE-SYSTEM-LANDING-GEAR	AIR	210.78	286.262	73	1.1427	65 1228 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR-NOSE	AIR	235.433	269.41	597	0.5179	67 1272 5976000
LINES-MOSE-MYDRAULIC	LANDING-GEAR-NOSE	AIR	316.252	363.928	473	1.1427	65 1228 5976000
LINES-MOSE-MYDRAULIC	TRANSMISSION-MAIN	MEL	337.186	422.654	126	1.038	66 1257 5976000
LINES-MOSE-MYDRAULIC	RUDDER-SYSTEM	AIR	441.935	503.798	946	2.2854	65 1228 5976000
LINES-MOSE-MYDRAULIC-HI-PRESSURE	CONTROL-SYSTEM	GRC	4702.6	7210.58		0.023	62 1135 5976000
LINES-MOSE-MYDRAULIC-MEDIUM-PRESSURE	CONTROL-SYSTEM	GRC	434.782	1651.17		0.023	62 1135 5976000
LINES-MOSE-PRESSURE		LAB	3.9				63 1138 5976000
LINES-MOSE-PRESSURE	PUMP-HYDRAULIC-POWER-SUPPLY	AIR	126.892	142.745	546	2.2854	65 1228 5976000
LINES-MOSE-PRESSURE	PUMP-HYDRAULIC-POWER-SUPPLY	AIR	130.07	154.076	1194	1.5357	67 1272 5976000
LINES-MOSE-PRESSURE	PUMP-HYDRAULIC-POWER-SUPPLY	AIR	142.596	186.579	812	1.7532	64 1179 5976000
LINES-MOSE-PUMP-IN	HYDRAULIC-POWER-SUPPLY	AIR	17.3169	57.2067	1194	1.0357	67 1272 5976000
LINES-MOSE-TEFLON	SPOILER-CONTROL	AIR	335.008	669.676	31	0.1194	63 1111 5976000
LINES-MYDRAULIC	AUX-POWER-UNIT	AIR		93.1472	48	0.2472	65 1227 5976000
LINES-MYDRAULIC	STALL-WARNING-SYSTEM	AIR		93.1472	48	0.2472	65 1227 5976000
LINES-MYDRAULIC	STALL-WARNING-SYSTEM	AIR		93.1472	48	0.2472	65 1227 5976000
LINES-MYDRAULIC	STEERING	AIR		55.9834	76	0.4113	66 1250 5976000
LINES-MYDRAULIC	RUDDER-CONTROL-SYSTEM	AIR		55.9834	76	0.4113	66 1250 5976000
LINES-MYDRAULIC	AUXILIARY-POWER-UNIT	AIR		55.9834	76	0.4113	66 1250 5976000
LINES-MYDRAULIC	STEERING-PIVOT (MILES)	GRC	8.11034	31.54664	30	1.2334	66 1255 5976000
LINES-MYDRAULIC	WING-FLAP-SYSTEM	AIR	40.453	157.35	48	0.2472	65 1227 5976000
LINES-MYDRAULIC	WING-FLAP-SYSTEM	AIR	48.6263	124.401	76	0.4113	66 1250 5976000
LINES-MYDRAULIC	LANDING-GEAR-NOSE	AIR	48.6263	124.401	76	0.4113	66 1250 5976000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 921 TUBING, CASINGS, AND SLEEVING

PART DESCRIPTION FUNCTIONAL APPLICATION

N.B.C.

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
LINES-HYDRAULIC	ELEVATOR-CONTROL-SYSTEM	AIR	72.9394	162.431	76	.04113	66	1250 59792000
LINES-HYDRAULIC	RUDDER-CONTROL-SYSTEM	AIR	80.9061	215.303	48	.02472	65	1227 59792000
LINES-HYDRAULIC	LANDING-GEAR-MOSE	AIR	80.9061	215.303	48	.02472	65	1227 59792000
LINES-HYDRAULIC	THRUST-REVERSER-SYSTEM	AIR	80.9061	131.418	192	.09888	65	1227 59792000
LINES-HYDRAULIC	ATLERN-CONTROL-SYSTEM	AIR	80.9061	215.303	48	.02472	65	1227 59792000
LINES-HYDRAULIC	PITCH-TRIM-ACTUATOR	AIR	97.2526	194.346	76	.04113	66	1250 59800000
LINES-HYDRAULIC	ATLERN-CONTROL-SYSTEM	AIR	97.2526	194.346	76	.04113	66	1250 59800000
LINES-HYDRAULIC	THRUST-REVERSER-SYSTEM	AIR	103.343	143.502	304	.1645	66	1250 59800000
LINES-HYDRAULIC	WING-SPOILER-SYSTEM	AIR	121.359	270.258	48	.02472	65	1227 59800000
LINES-HYDRAULIC	WING-SPOILER-SYSTEM	AIR	145.878	256.068	76	.04113	66	1250 59800000
LINES-HYDRAULIC	ELEVATOR-CONTROL-SYSTEM	AIR	161.812	323.363	48	.02472	65	1227 59810000
LINES-HYDRAULIC	NO-1-HYDRAULIC-SYSTEM	AIR	283.171	476.189	48	.02472	65	1227 59810000
LINES-HYDRAULIC	LANDING-GEAR-MAIN	AIR	283.171	476.189	48	.02472	65	1227 59810000
LINES-HYDRAULIC	NO-3-HYDRAULIC-SYSTEM	AIR	291.757	432.325	76	.04113	66	1250 59810000
LINES-HYDRAULIC	NO-2-HYDRAULIC-SYSTEM	AIR	291.757	432.325	76	.04113	66	1250 59810000
LINES-HYDRAULIC	LANDING-GEAR	AIR	323.024	525.675	48	.02472	65	1227 59820000
LINES-HYDRAULIC	LANDING-GEAR-MAIN	AIR	340.384	489.375	76	.04113	66	1250 59820000
LINES-HYDRAULIC	PITCH-TRIM-ACTUATOR	AIR	404.53	623.246	48	.02472	65	1227 59820000
LINES-HYDRAULIC	NO-1-HYDRAULIC-SYSTEM	AIR	437.636	621.903	76	.04113	66	1250 59820000
LINES-HYDRAULIC	NO-3-HYDRAULIC-SYSTEM	AIR	445.436	719.318	48	.02472	65	1227 59820000
LINES-HYDRAULIC	LANDING-GEAR	AIR	486.263	657.551	76	.04113	66	1250 59830000
LINES-HYDRAULIC	NO-2-HYDRAULIC-SYSTEM	AIR	525.889	766.907	48	.02472	65	1227 59830000
LINES-OIL	CLUSTER-ASSEMBLY	AIR	0	55.9834	76	.04113	66	1250 59830000
LINES-OIL	AUXILIARY-POWER-UNIT							
LINES-OIL	ENGINE/CONSTANT-SPEED-DRIVE-SYSTEM	AIR	42.5531	71.556	304	.1645	66	1250 59830000
LINES-OIL	CONSTANT-SPEED-DRIVE-SYSTEM	AIR	85.1063	122.358	304	.1645	66	1250 59830000
LINES-OIL	ENGINE/CSD-SYSTEM	AIR	111.245	167.861	192	.09888	65	1227 59840000
LINES-OIL	CSD-SYSTEM	AIR	111.245	167.861	192	.09888	65	1227 59840000
LINES-PRESSURE	CHECKOUT-FUEL-SYSTEM	AIR	14.3437	25.1783	6874	.4183	63	1125 59840000
LINES-PRESSURE	CHECKOUT-FUEL-SYSTEM	GRO	83.752	325.77	31	.01194	63	1111 59840000
LINES-PRESSURE-HIGH	PHOTOGRAPHIC-EQUIPMENT	AIR	15.9362	31.5468	3893	.251	62	1113 59840000
LINES-VACUUM	BATTERY-DC-POWER-SUPPLY	AIR	0	152.847	31	.01194	63	1111 59840000
LINES-VENT	SUPPLY-GALLEY	AIR	512.723	744.932	62	.07387	63	1111 59840000
LINES-WATER	RECEPTACLE-IN-FLIGHT	AIR	0	15.7868	100	.11037	65	1198 59840000
LINES-AND-FITTINGS-FUEL		AIR	1857.14	2778.27		.027	61	1062 59840000
LINES-AND-FITTINGS-FUEL		AIR	67.4603	92.675		.252	61	1082 59840000
LINES-AND-FITTINGS-FUEL		AIR	6.92857	34.7254		.112	61	1082 59840000
LINES-FITTINGS	QUICK-DISCONNECT	AIR	782				57	211 59840000
LINES-FITTINGS		AIR	174				61	212 59840000
LINES-FITTINGS		MSL	12.9205	45.8679		.078	57	212 59840000
LINES-FITTINGS		MSL	2				58	212 59840000
LINES-FITTINGS	QUICK-DISCONNECT	MSL	251			.004	57	212 59840000
LINES-FITTINGS	QUICK-DISCONNECT	MSL	251	972.425			57	212 59840000

PART CLASS	541 TUBING CASINGS AND SLEEVING	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER SC CONF LIMIT	PART POPUL- LATION	PART HOURS	YR OF DATA INDEX RPT SRCF EFF AN	CROSS
PART DESCRIPTION									
LINE-5-FITTINGS-FUEL-JET	AIR GND	85H	61 212	59872000					
LINE-5-FITTINGS-FUEL-JET	AIR	85H	57 212	59874000					
LINE-5-FITTINGS-FUEL-JET	AIR	1740	57 212	59876000					
LINE-5-FITTINGS-FUEL-JET	AIR	64.3	57 212	59878000					
LINE-5-FITTINGS-TUBING	AIR	81	57 212	59880000					
LINE-5-FITTINGS-TUBING	AIR	174	57 212	59882000					
LINE-5-FITTINGS-TUBING	AIR	15H	60 2026	59884000					
LINE-5-FITTINGS-TUBING	AIR GND	81.9	61 212	59886000					
LINE-5-FITTINGS-TUBING	AIR SHP GND 27		58 212	59888000					
LINE-5-FITTINGS-TUBING	AIR SHP GND 10		58 212	59890000					
LINE-5-FITTINGS-TUBING	AIR GND	64.3	61 212	59892000					
LINE-5-FITTINGS-TUBING	AIR SHP GND	133.773	59 212	59894000					
LINE-5-FITTINGS-TUBING	LAB	516636	63 2230	59896000					
LINE-5-FITTINGS-TUBING		156.25	63 217	59898000					
LINE-5-FITTINGS-TUBING		607.765	61 212	59900000					
LINE-5-FITTINGS-TUBING	AIR GND	174	64 3725	59902000					
LINE-5-FITTINGS-TUBING	AIR	114.77	67 1272	59904000					
LINE-5-FITTINGS-TUBING	AIR	21.814	67 1272	59906000					
LINE-5-FITTINGS-TUBING	AIR	794.029	65 1226	59908000					
LINE-5-FITTINGS-TUBING	AIR	17.224	65 1226	59910000					
LINE-5-FITTINGS-TUBING	AIR	147.524	63 1111	59912000					
LINE-5-FITTINGS-TUBING	AIR	46.3486	63 1123	59914000					
LINE-5-FITTINGS-TUBING	AIR	134.476	63 1123	59916000					
LINE-5-FITTINGS-TUBING	AIR	17.644	63 1123	59918000					
LINE-5-FITTINGS-TUBING	AIR	114.677	64 1179	59920000					
LINE-5-FITTINGS-TUBING	AIR	17.5024	65 1228	59922000					
LINE-5-FITTINGS-TUBING	AIR	43.756	65 1228	59924000					
LINE-5-FITTINGS-TUBING	AIR	61.2504	64 1179	59926000					
LINE-5-FITTINGS-TUBING	AIR	79.8534	64 1179	59928000					
LINE-5-FITTINGS-TUBING	AIR	91.2616	64 1179	59930000					
LINE-5-FITTINGS-TUBING	AIR	102.669	64 1179	59932000					
LINE-5-FITTINGS-TUBING	AIR	104.265	64 1179	59934000					
LINE-5-FITTINGS-TUBING	AIR	105.014	64 1179	59936000					
LINE-5-FITTINGS-TUBING	AIR	114.077	64 1179	59938000					
LINE-5-FITTINGS-TUBING	AIR	114.177	64 1179	59940000					
LINE-5-FITTINGS-TUBING	AIR	145.119	64 1179	59942000					
LINE-5-FITTINGS-TUBING	AIR	154.707	64 1179	59944000					
LINE-5-FITTINGS-TUBING	AIR	166.272	64 1179	59946000					
LINE-5-FITTINGS-TUBING	AIR	175.024	64 1179	59948000					
LINE-5-FITTINGS-TUBING	AIR	181.436	64 1179	59950000					
LINE-5-FITTINGS-TUBING	AIR	249.087	67 1272	59952000					
LINE-5-FITTINGS-TUBING	AIR	299.291	67 1272	59954000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59956000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59958000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59960000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59962000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59964000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59966000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59968000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59970000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59972000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59974000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59976000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59978000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59980000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59982000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59984000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59986000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59988000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59990000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59992000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59994000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59996000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59998000					
LINE-5-FITTINGS-TUBING	AIR	332.513	67 1272	59999000					

AGM AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. JANUARY 1969  
SECTION : FAILURE RATE DATA

PART CLASS	923 TURBINES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LINTY	PARTY POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								LEFT	RIGHT
-00 M.O.C.									
AIR-DRIVEN GOVERNED CARAVELLE-EXPANSION EXPANSION-COMPRESSION ASSEMBLY	FANS	COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	10	259.313	68	.015	63	1138
		COOLING-ENGINE-BLEED-AIR	AIR	64.6444	147.992		.06267	63	1114
		COOLING-ENGINE-BLEED-AIR	AIR	79.7829	141.833		.10014	64	1241
		COOLING-ELECT-EQUIP-AIR-CONDITIONING	AIR	89.8562	141.833		.10014	64	1241
		COOLING-AIR-CONDITIONER-CABIN	AIR	96.2632	145.253	473	.11427	63	1228
		REFRIGERATION	AIR	116.063	219.001	90	.04233	64	1144
		AIR-CONDITIONER	AIR	129.371	192.076	597	.51789	67	1272
		COOLING-AIR-CONDITIONER-CARGO-COMPT	AIR	154.679	212.737	100	.11637	65	1198
		COOLING-AIR-CONDITIONER-CABIN	AIR	216.746	295.488	406	.08766	64	1179
		COOLING-AIR-CONDITIONER-CARGO-COMPT	AIR	295.454	384.504	102	.088	63	1114
AIR-DRIVEN GOVERNED CARAVELLE-EXPANSION EXPANSION-COMPRESSION ASSEMBLY	FANS	COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	309.09	429.201	320	.055	61	1080
		COOLING-AIR-CONDITIONER-CARGO-COMPT	AIR	333	484.035	50	.12691	65	1198
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	401.859	511.114	102	.088	63	1114
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	472.63	565.257	100	.11637	65	1198
		COOLING-AIR-CONDITIONER-CARGO-COMPT	AIR	493.333	614.441	50	.075	63	1114
		COOLING-AIR-CONDITIONER-CARGO-COMPT	AIR	507.195	621.443	50	.08478	63	1198
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	512.173	603.593	50	.12691	63	1198
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	515.337	555.144	30	.08478	61	1083
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	684.123	814.26	30	.075	63	1198
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	720	862.566	50	.056	61	1082
AIR-DRIVEN GOVERNED CARAVELLE-EXPANSION EXPANSION-COMPRESSION ASSEMBLY	FANS	COOLING-AIR-CONDITIONING	AIR	750	921.233		.08557	63	1123
		REFRIGERATION-COMPRESSOR	AIR	1823.06	2028.73	172	.02412	64	1240
		AIR-CONDITIONER	AIR	4670.75	5260.71	37	.0083	66	1225
		REFRIGERATION-UNIT	AIR	5301.2	6479.81	37	.21172	66	1241
		REFRIGERATION-UNIT-AIR-COND-SYSTEM	AIR	599.848	673.986		.03427P	64	200
		REFRIGERATION-UNIT-AIR-COND-SYSTEM	AIR	233.449	379.185P	60	.014	61	1080
		REFRIGERATION-UNIT-AIR-COND-SYSTEM	AIR	6285.71	7234.57	60	.029	61	1080
		REFRIGERATION-UNIT-AIR-COND-SYSTEM	AIR	4000	4519.25	260	.08224	64	1250
		REFRIGERATION-UNIT-AIR-COND-SYSTEM	AIR	97.2526	157.971	152	.04944	65	1227
		REFRIGERATION-UNIT-AIR-COND-SYSTEM	AIR	182.038	287.338	96	.02355	66	1245
AIR-25400RPH	FANS	COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	0	97.98295	43	.00653	66	1240
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	0	352.618	43	.00653	66	1240
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	63.1578	110.864	76	.095	64	1236
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2580.18	2640.62		.534	63	211
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2589.47	2814.13		.095	63	2126
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2793.29	3181.39	16	.00179	63	1132
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2793.29	3181.39	16	.00179	63	1132
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2793.29	3181.39	16	.00179	63	1132
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2793.29	3181.39	16	.00179	63	1132
		COOLING-AIR-CONDITIONER-FLIGHT-DECK	AIR	2793.29	3181.39	16	.00179	63	1132

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 925 VALVES

PART DESCRIPTION PART CLASS 925 VALVES

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	GROSS INDEX
ENRICHMENT-FUEL-SYSTEM	AIR	0	13.3275	304	1645	66	1250 60030000
ISOLATION-MANIFOLD-SINGLE-POINT-REFUEL	AIR	0	55.9834	76	104113	66	1250 60030000
INFLATION-STRUT-NOSE-LANDING-GEAR	AIR	0	55.9834	76	104113	66	1250 60030000
FUEL-LEVEL-CONTROL	GRO	0	8856.150		100260	66	1251 60030000
LISCHARGE-PUMP-FUEL-SYSTEM	AIR	0	13.1336	812	17532	64	1179 60040000
LISCHARGE-PUMP-FUEL-SYSTEM	AIR	0	10.3752	946	22854	65	1228 60040000
CROSSFEED-PRIMER-DISTRIBUTION-FUEL-SYSTEM	AIR	0	27.1597	50	104478	63	1198 60040000
DEFROGGING-AIR-CONDITIONER-FLIGHT-DECK	AIR	0	9.07178	100	25182	65	1196 60040000
DEFUEL	AIR	0	192.447	31	101194	63	1111 60040000
ENRICHMENT-FUEL-SYSTEM	AIR	0	23.2468	192	10988	65	1227 60040000
EJECTOR-AIR-CONDITIONING-SYSTEM	AIR	0	192.447	11	101194	63	1111 60040000
GO-PROP-TURBINE-PUMP-ASSEMBLY	SIM MSL	0	115130		100720	62	1089 60040000
INTERCONNECT-PERMANENT-M-2-HYDRAULIC-SYSTEM	AIR	0	53.1472	48	102472	65	1227 60040000
INFLATION-STRUT-NOSE-LANDING-GEAR	AIR	0	93.1472	48	102472	65	1227 60040000
SUCTION-VENT-FUEL-SYSTEM	AIR	0	5.89344	200	23274	65	1198 60040000
THRUSTLE-FUEL-SYSTEM	AIR	0	23.2868	192	10988	65	1227 60040000
PARALLELING-FUEL-SYSTEM	AIR	2.73039	16.6212	244	36622	65	1201 60040000
JETISON-FUEL-SYSTEM	AIR	3.43988	8.77378	300	74145	65	1198 60040000
JETISON-FUEL-SYSTEM	AIR	4.44444	11.8273	612	45	63	1113 60040000
	GPN	5				62	1078 60040000
	LAB	5.1				63	1138 60040000
ENRICHMENT-FUEL-SYSTEM	AIR	5.27509	14.1378	400	37914	65	1201 60040000
INFLATION-BLANKET-BLEED-AIR-AIR-CONDITIONED	AIR	9.46572	15.1773	408	353	63	1114 60040000
PARALLELING-FUEL-SYSTEM	AIR	6.01654	8.41529	1716	15945	65	1201 60040000
PERMANENT	LAB	5.48	31.6492	50	12691	63	1198 60040000
CROSSFEED-PRIMER-DISTRIBUTION-FUEL-SYSTEM	AIR	8.06481	31.1645	544	124	63	1114 60040000
JETISON-FUEL-SYSTEM	AIR	8.59328	17.868	200	23274	65	1198 60040000
CROSSFEED-BYPASS-DISTRIBUTION-FUEL-SYSTEM	AIR	8.7412	34.0395	474	11427	65	1228 60040000
DISTRIBUTOR-DE-ICER-AIR-CONDITIONING-SYSTEM	AIR	9.26054	18.5061	252	43194	65	1155 60040000
PARALLELING-FUEL-SYSTEM	AIR	9.73501	18.0576	526	51363	65	1201 60040000
INFLATION-STRUT-MAIN-LANDING-GEAR	AIR	10.1132	39.3375	192	10988	65	1227 60040000
ENRICHMENT-FUEL-SYSTEM-T-54-A7	AIR	10.7043	28.4858	481	18684	65	1192 60040000
INFLATION-STRUT-MAIN-LANDING-GEAR	AIR	12.158	32.3544	304	1645	66	1250 60040000
JETISON-FUEL-SYSTEM	AIR	12.8697	19.1	800	93017	65	1198 60040000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM	AIR	12.987	34.5603	680	154	63	1114 60040000

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ROME AIR DEVELOPMENT CENTER, GRIFPISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

MODEL/ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	UPPER 90 COMP LIMIT	FAILURE RATE	ENVIRONMENT	FUNCTIONAL APPLICATION	PART PROPO- LATION	PART HOURS	YR OF DATA NPT SRCE REF NO	CROSS INDEX
PART DESCRIPTION									
-00 N.O.C.									
PARALLELING-FUEL-SYSTEM		13.1477	24.4624	400	AIR		-37914	65	1201 60102000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM		13.1779	26.7342	200	AIR		.299	63	1114 60104000
CROSSFEED-SHUTOFF-DISTRIBUTION-FUEL-SYSTEM		14.6085	20.2853	1000	AIR		1.1637	65	1198 60106000
PARALLELING-FUEL-SYSTEM		15.0382	25.2876	400	AIR		-44548	65	1198 60108000
PARALLELING-TURBOPROP-T-28-A7		16.0565	35.7367	481	AIR		.18684	65	1192 60110000
ENRICHMENT-FUEL-SYSTEM		16.129	62.737	272	AIR		-042	63	1114 60112000
ENRICHMENT-FUEL-SYSTEM		17.1865	27.9167	400	AIR		-46548	65	1198 60114000
DEFROGGING-AIR-CONDITIONER-FLIGHT-DECK		17.1865	34.3454	200	AIR		-23274	65	1198 60116000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM		18.5152	24.671	300	AIR		1.1342	65	1196 60118000
EJECTOR-BODY-ZOMB-GUN		20R	53.223R	2	GAD		.JR	64	1134 60120000
INFLATION-TIRE-NOSE-LANDING-GEAR		20.2265	78.6751	96	AIR		-04944	65	1277 60122000
ANTI-SKID-LANDING-GEAR-MAIN		20.9424	81.4556	124	AIR		-04775	63	1111 60124000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM		22.6843	33.6135	612	AIR		.529	63	1114 60126000
PARALLELING-FUEL-SYSTEM		25.6092	37.346	200	AIR		-50763	65	1198 60128000
CROSSFEED-PRIMER-DISTRIBUTION-FUEL-SYSTEM		25.7798	57.4099	100	AIR		-11637	65	1198 60130000
CROSSFEED-SHUTOFF-DISTRIBUTION-FUEL-SYSTEM		26.5392	41.8907	200	AIR		.33912	63	1199 60132000
INSULATION-BLANKET-BLEED-AIR-AIR-CONDITIONED		27.5791	39.6509	200	AIR		.50763	65	1198 60134000
INSULATION-BLANKET-BLEED-AIR-AIR-CONDITIONED		27.9281	40.7277	400	AIR		.46548	65	1198 60136000
PARALLELING-FUEL-SYSTEM		28.3286	43.6449	403	AIR		.393	63	1114 60138000
ENRICHMENT-FUEL-SYSTEM		28.3286	43.6449	408	AIR		.353	63	1114 60140000
INFLATION-TIRE-MAIN-LANDING-GEAR		30.3951	46.8287	603	AIR		.329	66	1250 60142000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM		31.4136	64.956	248	AIR		.0955	63	1111 60144000
AIR-RELEASE		32.5127	58.0817		AIR		2.153	63	2113 60146000
ENRICHMENT-FUEL-SYSTEM		33.4889	46.5025	200	AIR		-50763	62	1198 60148000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM		34.2231	76.2126	406	AIR		-08766	64	1179 60150000
HYDRAULIC-POWER-SUPPLY		35.3857	55.8543	150	AIR		-25434	63	1198 60152000
CROSSFEED-SHUTOFF-DISTRIBUTION-FUEL-SYSTEM		35.4588	48.7683	200	AIR		.50763	65	1198 60154000
INFLATION-TIRE-NOSE-LANDING-GEAR		36.4697	81.2156	152	AIR		-08226	66	1250 60156000
DEFROGGING-AIR-CONDITIONER-FLIGHT-DECK		40.2684	70.6822	100	AIR		.149	63	1114 60158000
INTERCONNECT-PRESSURE-NOS-213-HYDRAULIC-SYSTEM		40.453	80.8499	192	AIR		.50998	65	1227 60160000
ISOLATION-MING-BLEED-AIR-SYSTEM		40.453	157.35	48	AIR		-02472	65	1227 60162000
ISOLATION-MANIFOLD-SINGLE-POINT-REFUEL		40.453	157.35	48	AIR		-02472	65	1227 60164000
DEFROGGING-AIR-CONDITIONER-FLIGHT-DECK		41.2833	59.4202	100	AIR		-16956	63	1198 60166000
INFLATION-TIRE-MAIN-LANDING-GEAR		45.5097	71.8345	384	AIR		.19776	65	1227 60168000



ROME AIR DEVELOPMENT CENTER, GRAIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 925 VALVES

PART DESCRIPTION

UPPER PART  
90 CONF POPUP-  
LIMIT LATION  
HOURS

YR  
OF DATA  
RPT SRCE REF NO

CROSS  
INDEX

-00 N-0-C.

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART LATION	PART HOURS	YR OF DATA	CROSS INDEX
STEERING-NOSE-LANDING-GEAR ISOLATION-WING-BLEED-AIR-AIR-CONDITIONER	AIR	47.2366	183.736	45	-02117	64	1144 60170000A
INSULATION-PLANET-BLEED-AIR-AIR-CONDITIONED	AIR	47.263	71.3162	200	-23274	65	1196 60170000
INTERCONNECT-RESERVOIR-NO-2-HYDRAULIC-SYSTEM	AIR	48.387	107.754	272	-062	63	1114 60174000
LANDING-GEAR-MAIN ENRICHMENT-FUEL-SYSTEM	AIR	48.6263	129.401	76	-04113	66	1250 60174000A
ENRICHMENT-FUEL-SYSTEM	AIR	52.356	97.1172	248	-0955	63	1111 60176000
ENRICHMENT-FUEL-SYSTEM	AIR	53.0765	73.0015	200	-33912	63	1198 60180000
VERMOST-HYDRAULIC-BRAKE	AIR	53.5117	75.0889	200	-299	63	1114 60180000
FULL-SELECTOR	AIR	55.5555	216.094	64	-018	59	1110 60184000
TEMPERATURE-CONTROL	AIR	57.5673	68.1169		1.071	63	1111 60184000
CROSSFEED-DISTRIBUTION-FUEL-SYSTEM	AIR	59.7195	75.3582		-538	63	1118 60184000
BRAKE-POWER-MAIN-LANDING-GEAR	AIR	77.658	87.5726	597	-51759	67	1272 60190000
TEMPERATURE-REGULATOR-CONSTANT-SPEED-DRIVE	AIR	71.7692	91.2854	252	-43194	64	1155 60191000
PARALLEL-FUEL-SYSTEM	AIR	74.074	103.442		-216	63	1109 60194000
PARALLEL-FUEL-SYSTEM	AIR	79.6178	103.098	200	-33912	63	1198 60194000
PARALLEL-FUEL-SYSTEM	AIR	80.2675	105.63	200	-299	63	1114 60194000
WIPER-CONTROL	AIR	92.5925	142.654		-308	63	1102 60194000
CATAFULT-EXTENSION-NOSE-LANDING-GEAR	AIR	104.959	145.528		-11453	65	1198 60200000
CATAFULT-EXTENSION-NOSE-LANDING-GEAR	AIR	104.959	145.528		-11453	65	1241 60200000
MANIFOLD-WING-FUELING/TRANSFER	AIR	105.377	166.016		-09447	63	1123 60200000
ISOLATION-WING-BLEED-AIR-AIR-CONDITIONER	AIR	17.954	147.173	204	-172	63	1114 60200000
IGNITER-FUEL-SYSTEM-AFTERBURNER	AIR	109.09	191.492	320	-051	61	1080 60200000A
ISOLATION-WING-BLEED-AIR-AIR-CONDITIONER	AIR	110.314	142.147	100	-23382	65	1198 60200000
CANOPY-DUMP	AIR	111				61	1117 60214000
CROSSFEED-SEP-DISTRIBUTION	AIR	111.924	172.34		-538	63	1114 60214000
FUEL-SYSTEM	AIR	113.676	175.075	102	-288	63	1114 60214000
FUEL-ENGINE-FUEL-SYSTEM	AIR	110.904	166.79	32	-09434	65	1115 60220000
FUEL-LEAF-PUMP-GUN	GRD	124	177.8158	2	-12	64	1114 60220000
LANDING-GEAR-SYSTEM	AIR	124	219.418	124	-044	63	1111 60224000
CROSSFEED-SEP-DISTRIBUTION	AIR	124.899	181.971	100	-11617	65	1198 60224000
FUEL-SYSTEM	AIR	137.681	187.699		-138	59	1070 60224000
CANOPY-SEAL	AIR	141.832	194.065	50	-12448	65	1198 60230000
CROSSFEED-SEP-DISTRIBUTION	AIR	147.118	169.819		-432	63	1110 60230000
LANDING-GEAR-POWER-BRAKE	AIR	160.704	176.353		-2153	63	1113 60240000
TRIMMER-CHECK	AIR	167.568	188.26		-538	63	1114 60240000
CANOPY-SELECTOR	AIR	167.568	188.26		-538	63	1114 60240000
CROSSOVER-PNEUMATIC-PRESSURE-SUPPLY	AIR	171.003	445.753	31	-01194	63	1111 60240000
AIR-SHUTOFF	AIR	171.003	196.195		-538	63	1118 60240000

# HOME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES										
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LINTY	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX			
							REF	REF	REF	REF	REF
.10 N.O.C.											
ALTITUDE-CONTROL		GND	182.815	511.004		.00547	62 213	60247000			
RUDDER-BOOST		AIR	185.185	250.417		.173	63 2100	60244000			
SPEED-BRAKE-DAMP		AIR	189.423	260.542		.095	63 2122	60246000			
		AIR	193.548	246.794	272	.062	63 1114	60248000			
ISOLATION-WING-BLEED-AIR-SYSTEM		AIR	194.505	315.942	76	.04113	66 1250	60250000A			
TIMER-CHECK		AIR	199.475	232.12		.381	63 2121	60252000			
ISOLATION-HYDRAULIC-SYSTEM		AIR	201	272.638	76	.095	64 1266	60254000A			
STARTER-REDUCTION-GEAR-SYSTEM		AIR	211.535	240.499	400	.46548	65 1198	60256000			
GUN-CHARGING		AIR	241.635	271.125		.538	63 2117	60258000			
		AIR	241				61 1068	60260000			
EJECTOR-BLEED-AIR		AIR	277.777	415.261	64	.018	59 1110	60262000			
EJECTOR-PILOT		AIR	277.777	515.261	64	.015	59 1110	60264000			
ANTI-SKID-LANDING-GEAR-MAIN		AIR	254.117	545.57	64	.017	64 1225	60266000			
AIR-REGULATOR		AIR	312.267	345.463		.538	63 2113	60268000			
BRAKE-MAIN-LANDING-GEAR		AIR	336.004	354.573	126	.21507	64 1155	60270000			
LOCK-LOCK-LANDING-GEAR-MAIN		AIR	352.541	614.535	64	.017	60 1225	60272000			
AIR-REGULATOR		AIR	356.877	552.201		.538	63 2112	60274000			
		MSL	363.646	326.686		.011	57 212	60276000			
INSULATION-BLANKET-BLEED-AIR-AIR-CONDUCTED		AIR	369.247	471.316	50	.09478	63 1198	60277000			
INTERCONNECT-PRESSURE-NGS-272-HYDRAULIC-SYSTEM		AIR	413.323	573.938	76	.04113	64 1217	60280000A			
INSULATION-BLANKET-BLEED-AIR-AIR-CONDUCTED		AIR	440	515.386	50	.071	63 1114	60282000			
FLAPPER-CONTROL		AIR	464.468	483.838		2.153	63 2115	60284000			
DEFUEL		AIR	598.508	656.124	200	.33511	63 1198	60286000			
		AIR	600	1336.16	16	.005	59 1110	60288000			
		AIR	600.831	647.363	200	.50763	63 1198	60290000			
STARTER-REDUCTION-GEAR-SYSTEM		AIR	614.73	671.736	408	.353	63 1114	60292000			
FUEL-SELECTOR		AIR	622.073	674.698	200	.209	63 1114	60294000			
LANDING-GEAR-POWER-BRAKE		AIR	638.888	716.384		.217	63 2109	60296000			
SHIFT-SELECTOR		AIR	675.925	753.409		.216	63 2101	60298000			
GYRO-STABILIZED-PLATFORM		AIR	687.732	735.852		.538	63 2119	60300000			
GYRO-STABILIZED-PLATFORM		AIR	774.21	1555.16		.00514	65 1188	60302000			
SPEED-BRAKE-SELECTOR		AIR	778.21	1555.16		.00514	66 1241	60304000			
BRAKE-POWER-MAIN-LANDING-GEAR		AIR	863.157	598.615		.095	63 2122	60306000			
CABIN-PRESSURE-RELIEF		AIR	882.352	1252.49	64	.017	66 1225	60308000			
ALTITUDE-CONTROL		GND	896.286	1123.47		.03905	66 2133	60310000			
ALTITUDE-CONTROL		GND	917.431	3568.53		.00109	62 213	60312000			
CANOPY-SEAL-AIR-CONDITIONING-SYSTEM		GND	917.431	3568.53		.00109	62 213	60314000			
		AIR	963.855	1565.62	32	.0083	66 1225	60316000			
ISOLATION-HYDRAULIC-SYSTEM		AIR	1071.52	1520.88		.014	59 212	60318000			
CANOPY-RELIEF		AIR	1084.33	1711.56	32	.0083	66 1225	60320000			
TEMPERATURE-CONTROL		AIR	1273.68	1385.15		.190	63 2127	60322000			
		AIR	1326.31	1490.94		.095	63 2126	60324000			



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JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

SECTION I FAILURE RATE DATA

PART CLASS 925 VALVES

YR OF DATA INDEX

PRT SRCE REF NO

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

UPPER 90 CONF LIMIT

PART LATISS

PART HOURS

YR OF DATA INDEX

PRT SRCE REF NO

.00 N.O.C.

AIR-TEMPERATURE-CONTROL -	AIR-CONDITIONING-707-131	AIR	230P			66 2362 60486000
CREW-COMPARTMENT						
AIR-TEMPERATURE-CONTROL -	AIR-CONDITIONING-707-331	AIR	340P			66 2362 60486000
CREW-COMPARTMENT						
AIR-TEMPERATURE-CONTROL -	AIR-CONDITIONING-331C/373C	AIR	510P			66 2363 60499000
CREW-COMPARTMENT						
AIR-TEMPERATURE-CONTROL -		AIR	100P			65 2330 60492000
AMMONIA-COOLER	NOSE-CONE	GRD				62 1135 60494000
AND-ORIFICE-ASSEMBLY		GRD				66 2MS1 60496000
AND-ORIFICE-ASSEMBLY		GRD				66 2MS1 60499000
ANTI-DRAIN	CONSTANT-SPEED-ORIVE	AIR				61 1080 60500000
ANTI-G	AIR-CONDITIONING-SYSTEM	AIR				66 1225 60502000
ANTI-ICE	COMPRESSOR-BLEED-AIR	AIR				63 1123 60504000
ANTI-ICE	ENGINE	AIR				65 1201 60506000
ANTI-ICE	ENGINE	AIR				65 1201 60508000
ANTI-ICE	INLET-DUCT-LIP	AIR				61 1080 60510000
ANTI-ICE	ENGINE	AIR				59 1110 60512000
ANTI-ICE	AIR-CONDITION-SYSTEM	AIR				63 1111 60514000
ANTI-ICE	ENGINE-NOSE-CONE-GUIDE-VANE	AIR				61 1080 60516000
ANTI-ICE	AIR-REC	AIR				66 2367 60518000
ANTI-ICE	AIR-REC	AIR				66 2363 60520000
ANTI-ICE	AIR-REC	AIR				66 2365 60522000
ANTI-ICE	AIR-REC	AIR				66 2363 60524000
ANTI-ICE	AIR-REC	AIR				65 2360 60526000
ANTI-ICE	CONL	AIR				59 1110 60528000
ANTI-ICE	AIR-REC	AIR				65 2365 60530000
ANTI-ICE	AIR-REC	AIR				66 2363 60532000
ANTI-ICE	AIR-REC	AIR				66 2365 60534000
ANTI-ICE	AIR-REC	AIR				65 2363 60536000
ANTI-ICE-AIR	ENGINE	AIR				63 1111 60538000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2365 60540000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2360 60542000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2363 60544000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2367 60546000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2361 60548000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2367 60550000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2367 60552000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2362 60554000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2361 60556000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2362 60558000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2361 60560000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2361 60562000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60564000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				65 2361 60566000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60568000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60570000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60572000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60574000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60576000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60578000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60580000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60582000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60584000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60586000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60588000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60590000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60592000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60594000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60596000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60598000
ANTI-ICE-EJECTOR	AIR-CONDITIONING-727	AIR				66 2362 60600000

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**Warrant**



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 925 VALVES

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	DUTY CYCLE HOURS	YR OF DATA INDEX	CROSS REF NO
OC N.O.C.								
BALL		LAB	4-6				63 1138	60640000
BLADE		LAB	4-6				63 1138	60647000
BLEED-AIR	5TH-STAGE-COMPRESSOR/MIDFRAME	AIR SMP GRD 10					58 212	60644000
BLEED-AIR	1TH-STAGE-COMPRESSOR/MIDFRAME	AIR		1-134	909	2-0305	65 1198	60646000
BLEED-AIR	5TH-STAGE-COMPRESSOR/MIDFRAME	AIR		1-134	900	2-0309	65 1198	60648000
BLEED-AIR	1TH-STAGE-COMPRESSOR/MIDFRAME	AIR		1-69745	800	1-3565	63 1198	60650000
BLEED-AIR	1TH-STAGE-COMPRESSOR/MIDFRAME	AIR		1-69745	800	1-3565	63 1198	60652000
BLEED-AIR	5TH-STAGE-COMPRESSOR/MIDFRAME	AIR		1-23669	1600	1-8619	65 1198	60654000
BLEED-AIR	COMPRESSOR-BASIC-ENGINE	AIR		1-23669	1600	1-8619	65 1198	60656000
BLEED-AIR	COMPRESSOR-BASIC-ENGINE	AIR	6-07902	16-1772	608	.329	66 1256	60658000
BLEED-AIR	AIR-CONDITIONING-727	AIR	20-2265	46-4204	384	-19776	65 1227	60660000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	90P				66 2360	60662000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	140P				65 2366	60664000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	170P				65 2363	60666000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	280P				66 2360	60668000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	320P				66 2365	60670000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	330P				66 2363	60672000
BLEED-MX-COOL-AIR-MOD	AIR-CONDITIONING-727	AIR	470P				66 2363	60674000
BLEEDER	PADAN-FRESSURE-SYSTEM	AIR		19-7868	100	-11637	65 1198	60676000
BLEEDER	COOR-HYDRAULIC-AFT-CARGO	AIR		27-1597	50	-08478	63 1198	60678000
BLEEDER	COMPRESSOR-BASIC-ENGINE	AIR	-243374	.946652	4224	4-1089	62 1201	60680000
BLEEDER		LAB	5-7				63 1138	60682000
BLEEDER	COOR-HYDRAULIC-AFT-CARGO	AIR		20-9696	100	-25381	65 1198	60684000
BLEEDER	COOR-HYDRAULIC-AFT-CARGO	AIR		30-2403	204	-176	63 1114	60686000
BLEEDER	COOR-HYDRAULIC-AFT-CARGO	AIR	25-7798	45-2526	300	-23274	65 1198	60688000
BLEEDER	COOR-HYDRAULIC-RAMP	AIR	26-6666	76-964	50	-075	63 1114	60690000
BLEEDER	COOR-HYDRAULIC-AFT-CARGO	AIR	37-258	125-474	136	-031	63 1114	60692000
BLEEDER	HYDRAULIC-POWER-SUPPLY	AIR	5-5915	70-1311	408	-553	53 1114	60694000
BLEEDER	HYDRAULIC-POWER-SUPPLY	AIR	53-1883	68-8675	200	-50763	65 1198	60696000
BLEEDER	HYDRAULIC-POWER-SUPPLY	AIR	71-7714	93-1338	200	-33912	63 1198	60698000
BLEEDER	COMPRESSOR	AIR	73-2684	123-255	248	-0955	63 1111	60700000
BLEEDER	HYDRAULIC-POWER-SUPPLY	AIR	76-923	101-85	200	-299	63 1114	60702000
BLEEDER	HYDRAULIC-POWER-SUPPLY	AIR	133-333	354-82	68	-015	63 1114	60704000
BLEEDER	COMPRESSOR	AIR	166-666	371-155	64	-018	49 1110	60706000
BLEEDER	HYDRAULIC-POWER-SUPPLY	AIR	303-03	466-868	128	-033	66 1225	60708000
BLEEDER	KADAN-FRESSURE-SYSTEM	AIR	6-7-768	525-371	100	-11637	65 1198	60710000
BLEEDER	LANDING-GEAR-707-331B	AIR		27-1557	50	-08478	63 1198	60712000
BLEEDER	LANDING-GEAR-707-331B	AIR	70P				65 2361	60714000
BLEEDER	LANDING-GEAR-707-331B	AIR	120P				66 2362	60716000
BLEEDER	LANDING-GEAR-707-331	AIR	150P				66 2362	60718000
BLEEDER	LANDING-GEAR-331C/373C	AIR	250P				66 2360	60720000
BLEEDER	LANDING-GEAR-331C/373C	AIR	25CP				66 2365	60722000
BLEEDER	LANDING-GEAR-707-331B	AIR	280P				66 2362	60724000
BLEEDER	LANDING-GEAR-707-331	AIR	60P				65 2361	60726000
BLEEDER	LANDING-GEAR-707-131	AIR	6CP				66 2362	60728000

SECTION 1  
 PART CLASS 925 VALVES  
 00 N.B.C.

REPAIRS, REPLACEMENT PARTS, CRIPPLES, AFB, N.Y.  
 FAILURE RATE DATA

JANUARY 1964

PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART NUMBER	OF DATA	CHANGES
					107	SINCE SEP 60
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	60P		64	2342 60750000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	60P		64	2341 60732000
BRAKE-DEBOOST	LANDING-GEAR	AIR	70P		64	2341 60734000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	70P		64	2342 60734000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	80P		65	2342 60734000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	80P		65	2344 60740000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	80P		64	2344 60740000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	100P		65	2344 60740000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	100P		64	2344 60740000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	100P		64	2344 60740000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	110P		64	2344 60750000
BRAKE-DEBOOST	LANDING-GEAR, 707-131	AIR	110P		64	2341 60732000
BRAKE-DEBOOST	LANDING-GEAR, 331C/373C	AIR	110P		64	2341 60734000
BRAKE-DEBOOST	LANDING-GEAR, 707-131	AIR	120P		64	2340 60750000
BRAKE-DEBOOST	LANDING-GEAR, 707-131	AIR	120P		64	2342 60750000
BRAKE-DEBOOST	LANDING-GEAR, 331C/373C	AIR	130P		65	2341 60760000
BRAKE-DEBOOST	LANDING-GEAR, 331C/373C	AIR	130P		66	2340 60762000
BRAKE-DEBOOST	LANDING-GEAR, 707-131	AIR	130P		64	2343 60762000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	140P		65	2344 60760000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	140P		64	2342 60770000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	150P		64	2342 60772000
BRAKE-DEBOOST	LANDING-GEAR, 707-131	AIR	160P		66	2344 60774000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	170P		65	2341 60776000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	170P		64	2341 60778000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	180P		64	2341 60780000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	200P		66	2342 60782000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	200P		64	2341 60784000
BRAKE-DEBOOST	LANDING-GEAR, 707-131B	AIR	200P		65	2341 60786000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	210P		65	2344 60788000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	230P		64	2344 60790000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	250P		64	2344 60792000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	250P		66	2342 60794000
BRAKE-DEBOOST	LANDING-GEAR, 707-331B	AIR	260P		65	2342 60796000
BRAKE-DEBOOST	LANDING-GEAR, 331C/373C	AIR	260P		65	2343 60798000
BRAKE-DEBOOST	LANDING-GEAR, 331C/373C	AIR	300P		64	2345 60800000
BRAKE-DEBOOST	LANDING-GEAR, 707-331	AIR	360P		66	2341 60802000
BRAKE-EMERGENCY	LANDING-GEAR, 707-131B	AIR	70P		64	2340 60804000
BRAKE-METERING	LANDING-GEAR, 707-131	AIR	110P		64	2344 60806000
BRAKE-METERING	LANDING-GEAR, 707-131	AIR	110P		64	2341 60808000
BRAKE-METERING	LANDING-GEAR, 727	AIR	120P		64	2341 60810000
BRAKE-METERING	LANDING-GEAR, 707-331	AIR	130P		64	2343 60812000
BRAKE-METERING	LANDING-GEAR, 727	AIR	140P		65	2341 60814000
BRAKE-METERING	LANDING-GEAR, 707-331	AIR	150P		65	2340 60816000
BRAKE-METERING	LANDING-GEAR, 707-331	AIR	150P		66	2342 60818000



MOBILE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 925 VALUES

UPPER 40 CONF PART PART CROSS  
LIMIT LATION HOURS RPT SRCF REF NG

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

YB  
CF DATA INDEX

RPT SRCF REF NG

-60 M.O.C.

BRAKE-METERING	LANDING-GEAR-707-331	AIR	170P			66 2362 60820000
SHAKE-METERING	LANDING-GEAR-707-131B	AIR	200P			66 2362 60820000
BRAKE-METERING	LANDING-GEAR-707-131	AIR	230P			66 2364 60820000
BRAKE-METERING	LANDING-GEAR-707-131	AIR	450P			66 2362 60820000
BRAKE-METERING	LANDING-GEAR-800	AIR	150P			66 2360 60820000
NOSE-LANDING-GEAR						
BRAKE-METERING-MAIN	LANDING-GEAR-800	AIR	90P			66 2363 60830000
LANDING-GEAR						
BRAKE-METERING-MAIN	LANDING-GEAR-800	AIR	150P			66 2365 60830000
LANDING-GEAR						
BRAKE-SHUTTLE	LANDING-GEAR-707-131B	AIR	10P			66 2361 60834000
BRAKE-SHUTTLE	LANDING-GEAR-707-131B	AIR	10P			66 2361 60836000
BRAKE-SHUTTLE	LANDING-GEAR-707-131B	AIR	20P			66 2364 60835000
BRAKE-SHUTTLE	LANDING-GEAR-707-331	AIR	30P			66 2361 60840000
BRAKE-SHUTTLE	LANDING-GEAR-707-331	AIR	70P			66 2361 60842000
BRAKE-SHUTTLE	LANDING-GEAR-707-131	AIR	30P			66 2361 60844000
BRAKE-SHUTTLE	LANDING-GEAR-707-131	AIR	40P			66 2362 60846000
BRAKE-SHUTTLE	LANDING-GEAR-707-331	AIR	40P			66 2362 60848000
BRAKE-SHUTTLE	LANDING-GEAR-707-131B	AIR	30P			66 2361 60850000
BRAKE-SHUTTLE	LANDING-GEAR-707-131	AIR	60P			66 2362 60852000
BRAKE-SHUTTLE	LANDING-GEAR-707-331	AIR	80P			66 2364 60856000
BREATHER-AND-PRESSURIZATION	OIL-SYSTEM	AIR	210-276	278.417	.10938	63 1123 60858000A
BREATHER-AND-PRESSURIZATION		AIR	666.666	987.863	.018	59 1110 60860000
BREACH-AND-ROTARY GEAR	MB-1	AIR	36.3636	96.165	.320	61 1080 60862000A
BRINE-AND-WATER			.103C	.205034C	36.833C	64 2239 60864000
BUTTERFLY		LAB	3-4			63 1138 60866000
BUTTERFLY		AIR	150			61 1068 60868000
BUTTERFLY-ANTI-ILING	RAIN-REMOVAL	AIR	49.4988	80.4037	.14162	66 1261 60870000
BUTTERFLY-ANTI-ILING		AIR	70-9108	111.928	.12692	64 1144 60872000A
BUTTERFLY-ANTI-ILING		AIR	35.2173	102.942	.138	59 1070 60874000
BUTTERFLY-PRESSURE		GRD	3750C	8951C	.0008C	66 1245 60876000A
ACTUATED-MAIN-FUEL						
BUTTERFLY-SHUTOFF-MOTOR		GRD	0	3289.42C	.0007C	66 1245 60878000A
ACTUATED-4- INCH-TUBE						
COOLING-AIR						
BUTTERFLY-VENTILATION		AIR	31.5159	122.587	.03173	64 1144 60880000
AUXILIARY						
BYPASS	FILTER-ENGINE-OIL-SYSTEM	AIR	0	13.9975	.1645	66 1250 60882000
BYPASS	FILTER-FUEL-SYSTEM	AIR	0	6.99878	.329	66 1250 60884000
BYPASS	OIL-FILTER-AUXILIARY-POWER-LIMIT	AIR	0	53.9834	.04113	66 1250 60886000
BYPASS	FILTER-CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	0	13.9975	.1645	66 1250 60888000A
BYPASS	WATER-SEPARATOR-AIR-COOLITION	AIR	0	27.9917	.08286	66 1250 60890000
BYPASS	FILTER-REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	0	4.94672	.44548	65 1158 60892000

NAME: ALM DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION I: FAILURE RATE DATA  
 NON-ELECTRONIC PART FAILURE RATE DATA  
 JANUARY 1968

PART CLASS	925 VALVES					UPPER 90 CONF LIMIT	PMW	PART PPM-LAYERS	PART HOURS	YR	CROSS OF DATA INDEX
PART DESCRIPTION		FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE							APY SIZE REV NO
.00 N.O.C.											
BYPASS		TRANSMITTER-ALT-68	AIR	3		192.847	31	.01194		63	1111 60894000
BYPASS		OIL-COOLER-GENERATOR-DRIVE-SYSTEM	AIR	3		48.2219	124	.04775		63	1111 60894000
BYPASS		FILTER-REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	6		4.53598	200	.50763		65	1198 60898000
BYPASS		FILTER-CSC-OIL-SYSTEM	AIR	6		23.2868	192	.09888		65	1227 60900000
BYPASS		FILTER-FUEL-SYSTEM	AIR	6		11.6434	384	.19776		65	1227 60902000
BYPASS		OIL-FILTER-APU	AIR	6		93.1472	48	.02472		65	1227 60904000
BYPASS		FILTER-ENGINE-OIL-SYSTEM	AIR	6		23.2868	192	.09888		65	1227 60906000
BYPASS		FILTER-POWER-SECTION	AIR	2-9488		11.4699	200	.33912		63	1198 60908000
BYPASS		FILTER-POWER-SECTION	AIR	3-34440		13.000	200	.299		63	1114 60910000
BYPASS			LAB	5.88						63	1138 60912000
BYPASS		FILTER-REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	5-89761		15.8944	200	.33512		63	1198 60914000
BYPASS		FILTER-REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	6-68896		17.8003	200	.299		63	1114 60916000
BYPASS		FILTER-POWER-SECTION	AIR	8-59328		17.1227	400	.46548		65	1198 60918000
BYPASS		FILTER-POWER-SECTION	AIR	14.1643		28.2739	400	.353		63	1114 60920000
BYPASS		FILTER-POWER-SECTION	AIR	16.129		62.737	272	.062		63	1114 60922000
BYPASS		FILTER-POWER-SECTION	AIR SMP GRD 20							58	212 60924000
BYPASS		TURBINE-REFRIGERATION-UNIT	AIR	23.6392		35.0285	200	.50763		65	1198 60926000
BYPASS		AIR-CONDITION-SYSTEM	AIR	24.3131		64.7009	132	.08226		66	1230 60928000
BYPASS		TURBINE-REFRIG-UNIT-AIR-COND-SYSTEM	AIR	40.453		107.451	90	.04944		65	1227 60930000
BYPASS			AIR	81.3						57	211 60932000
BYPASS		GUN-TURRET-FIRE-CONTROL-SYSTEM	AIR SMP GRD 100							58	212 60934000
BYPASS			AIR	251.256		559.53	31	.01194		63	1111 60936000
BYPASS		TURBINE	AIR	300						61	1048 60938000
BYPASS		TURBINE-ELECT-EQUIP-AIR-COND	AIR	700.207		777.460		.2242		66	1283 60940000
BYPASS		TURBINE-AIR-TEMPERATURE	AIR	1431.99		1571.8		.13757		66	1241 60942000
BYPASS			AIR	1431.99		1571.8		.13757		66	1241 60944000
BYPASS		RADIO-PACK-AIR-CONDITION	AIR	3-52671		13.7178	75	.28353		65	1198 60946000
BYPASS		AIR-CONDITIONING	AIR	207.455		262.837		.15423		63	1123 60948000
BYPASS			AIR	800		1598.71	16	.005		59	1110 60950000
BYPASS			AIR	1600		1910.41	320	.035		61	1080 60952000
BYPASS		SOLENOID	AIR	322.222		591.366	32	.009		59	1110 60954000
BYPASS		TEMPERATURE-CONTROL	AIR	94.451		153.42	180	.0847		64	1144 60956000
BYPASS		ENGINE-FUEL-OIL-SYSTEM	AIR	6		13.9975	304	.1645		66	1250 60958000
BYPASS		ENGINE-AIR-OIL-SYSTEM	AIR	6		13.9975	304	.1645		66	1250 60960000
BYPASS		CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	18.237		40.8127	304	.1645		66	1250 60962000
BYPASS		OIL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	6		55.9834	76	.04113		66	1250 60964000
BYPASS		OIL-SYSTEM-APU	AIR	6		93.1472	48	.02472		65	1227 60966000
BYPASS		OIL-SYSTEM-GIC-AUXILIARY-POWER	AIR	6		19.1868	180	.17637		65	1198 60968000
BYPASS		OIL-SYSTEM-GIC-AUXILIARY-POWER	AIR	6		27.1597	50	.08476		63	1198 60970000
BYPASS		ENGINE-FUEL-OIL-SYSTEM	AIR	6		23.2868	192	.09888		65	1227 60972000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	PART HOURS	YR OF DATA INDEX	CRCS
PART DESCRIPTION									
900 N.B.C.									
BYPASS-THERMOSTATIC		ENGINE-AIR-OIL-SYSTEM	AIR	0	23.2868	192	.09888	65	1227 60974000
BYPASS-THERMOSTATIC		OIL-SYSTEM-GTC-AUXILIARY-POWER	AIR	15.7591	41.9375	50	.12691	65	1198 60974000
BYPASS-THERMOSTATIC		CSD-OIL-SYSTEM	AIR	20.2265	53.8258	192	.09888	65	1227 60978000
BYPASS-THERMOSTATIC		OIL-SYSTEM-GTC-AUXILIARY-POWER	AIR	22.7272	60.4006	102	.088	63	1114 60980000
BYPASS-WATER-SEPARATOR		AIR-CONDITIONING	AIR	0	46.5736	96	.04944	65	1227 60982000
BYPASS-WATER-SEPARATOR		AIR-COOL-FLIGHT-DECK	AIR	17.1865	45.736	100	.11637	65	1198 60984000
BYPASS-WATER-SEPARATOR		AIR-CONDITIONING	AIR	418.76	776.775	31	.01194	63	1111 60984000
BYPASS-WAY-SOLENOID		SPEED-BRAKE	AIR	19.6174	51.6728		.103	66	1241 60986000
BYPASS-AND-CHECK		AIR-CONDITIONING-SYSTEM	AIR GND	505.05	886.54		.01188	62	2320 60990000
CABIN-AIR-SUP-MOD-FLIGHT-CONTROL		AIR-CONDITIONING-727	AIR	4009				64	2365 60992000
CABIN-AIR-SUP-MOD-FLIGHT-CONTROL		AIR-CONDITIONING-727	AIR	460P				65	2365 60993000
CABIN-AIR-SUP-MOD-FLIGHT-CONTROL		AIR-CONDITIONING-727	AIR	530P				66	2365 60994000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	330P				66	2363 60998000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	340P				65	2363 61000000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	460P				65	2365 61002000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	710P				66	2363 61004000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	750P				66	2365 61006000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	750P				66	2360 61008000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	820P				65	2360 61010000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	1010P				66	2365 61012000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	1470P				66	2360 61014000
CABIN-OUTFLOW		AIR-CONDITIONING-727	AIR	90P				66	2360 61016000
CABIN-TEMPERATURE-CONTROL		AIR-CONDITIONING-727	AIR	240P				66	2363 61018000
CABIN-TEMPERATURE-CONTROL		AIR-CONDITIONING-727	AIR	270P				65	2360 61020000
CABIN-TEMPERATURE-CONTROL		AIR-CONDITIONING-727	AIR	0	40.3964		.037	61	1084 61022000
CAM-OPERATED-MECHANICALLY-CONTROLLED			AIR	324.675	424.82		.077	61	1082 61024000
CHARGING-AIR-MI-PRESSURE		CALIBRATION-RACK	GRD	476.19	1852.23		.0031	62	1141 61026000
CHARGING-GM2		ACCUMULATOR-RESERVOIR-MANIFOLD	LAB	16.6666	64.8283	3	.046	66	1264 61028000
CHECK		CONN-AUXILIARY-POWER-UNIT/GROUND	AIR	0	55.9834	76	.04113	66	1250 61030000
CHECK		AIR-CONDITIONING-SYSTEM	AIR	0	18.6596	228	.1234	66	1250 61032000
CHECK		CONN-LOW-PRESSURE-GROUND	AIR	0	27.9917	152	.08226	66	1250 61034000
CHECK		ELECTRONIC-COOLING-SYSTEM	AIR	0	13.9975	304	.1645	66	1250 61036000
CHECK		CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	0	27.9917	152	.08226	66	1250 61038000
CHECK		ELECTRICAL-COOLING-SYSTEM	AIR	0	55.9834	76	.04113	66	1250 61040000
CHECK		TEST-COOL-GROUND	AIR	0	55.9834	76	.04113	66	1250 61042000
CHECK		NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	.04113	66	1250 61044000
CHECK		TEST-COOL-GROUND	AIR	0	27.9917	152	.08226	66	1250 61046000
CHECK		NO-1-HYDRAULIC-SYSTEM	AIR	0	27.9917	152	.08226	66	1250 61048000
CHECK		SUCTION-LINE-NO-2-HYDRAULIC-SYSTEM	AIR	0	27.9917	152	.08226	66	1250 61050000

NONRELATIVISTIC PART OF THE DATA JANUARY 1960

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART NAME	PART NUMBER	70 OF DATA INDEX	CROSS REF NO
CHECK		SUCTION-LINE, NO-1-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61046000A
CHECK		SUCTION-BYPASS-RETURN, NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61046000A
CHECK		SUCTION-BOOST, NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61050000A
CHECK		EMERGENCY-EXTENSION, NOSE-LANDING-GEAR	AIR	0	27.9917	152	08226	66	1250 61052000
CHECK		SELECTOR-CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	0	6.99878	688	329	66	1250 61054000
CHECK		MUNAROUND, NO-2-HYDRAULIC-SYSTEM	AIR	0	13.9975	904	1645	66	1250 61056000A
CHECK		MUNAROUND, NO-1-HYDRAULIC-SYSTEM	AIR	0	27.9917	152	08226	66	1250 61058000A
CHECK		RETURN-FILTER, ENGINE-OIL-SYSTEM	AIR	0	13.9975	904	1645	66	1250 61060000
CHECK		RESERVOIR-VENT, NO-2-HYDRAULIC-SYSTEM	AIR	0	27.9917	152	08226	66	1250 61062000A
CHECK		RAIN-REPELLANT-SYSTEM	AIR	0	18.6596	229	1234	66	1250 61064000
CHECK		RAIN-REMOVAL-SYSTEM	AIR	0	27.9917	152	08226	66	1250 61066000A
CHECK		PUMP-COILING, NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61068000A
CHECK		PUMP-COILING, NO-1-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61070000A
CHECK		CASE-DRAIN-LINE, NO-3-HYDRAULIC-SYSTEM	AIR	0	27.9917	152	08226	66	1250 61072000A
CHECK		OR, NO-2-HYDRAULIC-CARGO-RAMP	AIR	0	55.9834	76	04113	66	1250 61074000A
CHECK		PRESSURE-LINE, NO-3-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61076000A
CHECK		PRESSURE-LINE, NO-1-HYDRAULIC-SYSTEM	AIR	0	27.9917	152	08226	66	1250 61078000A
CHECK		DOOR-HYDRAULIC-PRESSURE	AIR	0	55.9834	76	04113	66	1250 61080000A
CHECK		NO-3-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61082000
CHECK		NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61084000A
CHECK		NO-1-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61086000
CHECK		LANDING-GEAR-FREE-FALL, NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61088000A
CHECK		INTERCONNECT, NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61090000A
CHECK		CARGO-COMPARTMENT, AIR-CONDITION-SYSTEM	AIR	0	27.9917	152	08226	66	1250 61092000
CHECK		HYDRAULIC-SYSTEM, AUXILIARY-POWER-UNIT	AIR	0	55.9834	76	04113	66	1250 61094000
CHECK		CASE-CHAIN-LINE, NO-2-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61096000A
CHECK		RELEASE-AIR-SYSTEM	AIR	0	6.99878	688	329	66	1250 61098000A
CHECK		FLARE-VENT-SYSTEM	AIR	0	13.9975	904	1645	66	1250 61100000
CHECK		FUEL-DISTRIBUTION-SYSTEM	AIR	0	2.33292	1824	987	66	1250 61102000
CHECK		FLIGHT-STATION-GASPER, AIR-CONDITIONING-SYSTEM	AIR	0	55.9834	76	04113	66	1250 61104000A
CHECK		LANDING-GEAR, MAIN	AIR	0	5.89344	200	23274	65	1198 61106000
CHECK		WADAM-PRESSURE-SYSTEM	AIR	0	18.1435	50	12691	65	1198 61108000
CHECK		RESTRICTOR, EMERGENCY-LANDING	AIR	0	41.8654	320	055	61	1080 61110000
CHECK		AIR-STARTER, TURBOJET, J-8	AIR	0	13.1336	812	17532	64	1179 61112000
CHECK		PIPE-EXTINGUISHER-SYSTEM	AIR	0	18.1435	50	12691	65	1198 61114000
CHECK		DOOR-HYDRAULIC-PRESSURE	AIR	0	22.1472	48	102472	65	1227 61116000

ROME AIR DEVELOPMENT CENTER, CRUESS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

PART CLASS 52 VALVES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
HOURS

YR  
OF DATA

CROSS  
INDEX  
RPT SRCE REF NO

.00 M.O.C.

CHECK	VENT-SYSTEM-WING-FUEL	AIR	•	32.1502	186	•07162	63	1111	61118000
CHECK	CASE-CRAIN-LINE-NO-2-HYD-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61120000
CHECK	SINGLE-POINT-REFUELING	AIR	•	19.7868	100	•11637	65	1198	61120000
CHECK	EAT-REFUELLANT-SYSTEM	AIR	•	31.049	144	•07416	65	1227	61124000
CHECK	L/H-MIX-CELL-FUEL-PRESSURIZATION	AIR	•	46.3486		•04968	63	1123	61126000
CHECK	SINGLE-POINT-REFUELLING	AIR	•	18.1435	50	•12691	65	1198	61128000
CHECK	FUEL-BOOST-LINE-MAIN-FUEL-CELL	AIR	•	46.3486		•04968	63	1123	61130000
CHECK	NO-2-HYDRAULIC-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61130000
CHECK	WATER-INJECTION-SYSTEM	AIR	•	21.4334	279	•10743	63	1111	61134000
CHECK	COLLECTOR-TANK-FUEL-VENT-SYSTEM	AIR	•	4.54672	400	•46548	65	1198	61135000
CHECK	NO-2-HYDRAULIC-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61136000
CHECK	EQUIPMENT-COOLING-SECTION	AIR	•	20.1505	473	•11427	65	1228	61140000
CHECK	NO-1-HYDRAULIC-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61142000
CHECK	AIR-CONDITIONING-SYSTEM	AIR	•	192.847	31	•01194	63	1111	61144000
CHECK	PRESSURE-PUMP-LIAISON-RADIO-ARC-58	AIR	•	192.847	31	•01194	63	1111	61146000
CHECK	HELIUM-SUPPLY-BOTTLE	GRD	•	625.706	54	•00368	65	1171	61148000
CHECK	ELECTRICAL-COOLING-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61150000
CHECK	PETURN-FILTER-ENGINE-OIL-SYSTEM	AIR	•	23.2868	192	•09888	65	1227	61150000
CHECK	FLIGHT-STATION-GASPER-AIR-COND-SYSTEM	AIR	•	53.1472	48	•02472	65	1227	61154000
CHECK	PRESSURE-LINE-NO-1-HYD-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61156000
CHECK	CONN-LOM-PRESS-GRND-AIR-COND	AIR	•	31.049	144	•07416	65	1227	61158000
CHECK	VENT-SYSTEM-TANK-FUEL	AIR	•	64.3004	93	•03581	63	1111	61160000
CHECK	SUCKTION-LINE-NO-2-HYDRAULIC-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61162000
CHECK	SINGLE-POINT-REFUELING-SYSTEM	AIR	•	23.2868	192	•09888	65	1227	61164000
CHECK	CARGO-EJECTION-SYSTEM	AIR	•	143.912	180	•016	61	1080	61166000
CHECK	CARGO-COMP-AIR-COMP-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61168000
CHECK	PUMP-COOLING-NO-2-HYD-SYSTEM	AIR	•	53.1472	48	•02472	65	1227	61170000
CHECK	CONN-APU/GRND-AIR-COND-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61170000
CHECK	ELECTRICAL-COOLING-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61174000
CHECK	UNARMED-NO-1-HYD-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61176000
CHECK	CONN-HYDRAULIC-CARGO-TAMP	AIR	•	93.1472	48	•02472	65	1227	61178000
CHECK	CONN-HYDRAULIC-FORWARD-CARGO	AIR	•	27.1597	50	•08478	63	1198	61180000
CHECK	FUEL-VENT-SYSTEM	AIR	•	23.2868	192	•09888	65	1227	61182000
CHECK	PUMP-COOLING-NO-1-HYD-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61184000
CHECK	INLET-FUEL-SYSTEM	AIR	•	23.2868	192	•09888	65	1227	61186000
CHECK	OIL-COOLER-INLET	AIR	•	46.3393		•04968	63	1123	61188000
CHECK	TEST-CONN-GRND-NO-1-HYDRAULIC-SYSTEM	AIR	•	23.2868	192	•09888	65	1227	61190000
CHECK	TEST-CONN-GRND-NO-2-HYDRAULIC-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61192000
CHECK	TEST-CONN-GRND-NO-2-HYDRAULIC-SYSTEM	AIR	•	93.1472	48	•02472	65	1227	61194000
CHECK	MAIN-REMOVAL-SYSTEM	AIR	•	46.5736	96	•04944	65	1227	61196000
CHECK	SELECTION-CSD-OIL-SYSTEM	AIR	•	11.6434	384	•19776	65	1227	61198000
CHECK	EMERGENCY-EXTENSION-NOSE-LANDING-GR	AIR	•	46.5736	96	•04944	65	1227	61200000

ROCK AIR DEVELOPMENT CENTER, GRIF-155 AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	925 VALVES	UPPER 90 CONF LIMIT	FAILURE RATE	FUNCTIONAL APPLICATION	ENVIRONMENTAL EFFECT	FAULT MODES	TR ON DATA INDEX	CROSS REF NO
CHECK				DISTRIBUTION-AIR-2-NO-3-CARGO-CRUISE	AIR		63 1198 61202000	
CHECK		19.7868	100	PUMP-ELECT-NO-3-HYD-SYSTEM	AIR	-11637	63 1198 61202000	
CHECK		46.5736	96	INTERCONNECT-NO-2-HYD-SYSTEM	AIR	-04944	63 1198 61202000	
CHECK		93.1472	48	SUCTION-LINE-NO-1-HYDRAULIC-SYSTEM	AIR	-02472	63 1198 61202000	
CHECK		93.1472	48	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	-02472	63 1198 61202000	
CHECK		116	100	SUCTION-DOOR-NO-2-HYDRAULIC-SYSTEM	AIR	-01985	63 1198 61202000	
CHECK		93.1472	48	RUMARGUO-NO-3-HYD-SYSTEM	AIR	-02472	63 1198 61202000	
CHECK		23.2868	192	CASE-DRAIN-LINE-NO-3-HYD-SYSTEM	AIR	-09888	63 1198 61202000	
CHECK		46.5736	96	STEERING-SYSTEM	AIR	-04944	63 1198 61202000	
CHECK		46.2219	124	RADAR-PRESSURE-SYSTEM	AIR	-04775	63 1198 61202000	
CHECK		27.1597	50	REFUELING-SYSTEM	AIR	-08476	63 1198 61202000	
CHECK		8.76813	494	JETTISON-FUEL-SYSTEM	AIR	-26261	63 1198 61202000	
CHECK		4.53556	200	(STORAGE)	AIR	-50763	63 1198 61202000	
CHECK				(STORAGE)	MSL	-002	63 1198 61202000	
CHECK		2.02522	30	HYDRAULIC-POWER-SUPPLY	AIR GND	2.6200	63 1198 61202000	
CHECK		2.02522	30	DISTRIBUTION-FUEL-SYSTEM	AIR	2.620	63 1198 61202000	
CHECK		2.24867	12296	FUEL-DISTRIBUTION-SYSTEM	AIR	2.971	63 1198 61202000	
CHECK		5.19319	500	HYDRAULIC-POWER-SUPPLY	AIR	749	63 1198 61202000	
CHECK		6.55624	1132	HYDRAULIC-POWER-SUPPLY	AIR	59328	63 1198 61202000	
CHECK		2.26166	1532	HYDRAULIC-POWER-SUPPLY	AIR	13.665	63 1198 61202000	
CHECK		5.01205	547	HYDRAULIC-POWER-SUPPLY	AIR	1.0419	63 1198 61202000	
CHECK		2.19375	1096	DISTRIBUTION-FUEL-SYSTEM	AIR	2.2792	63 1198 61202000	
CHECK		6.27785	500	SINGLE-PORT-REFUELING	AIR	-84779	63 1198 61202000	
CHECK		8.9684	350	DISTRIBUTION-FUEL-SYSTEM	AIR	59345	63 1198 61202000	
CHECK		7.5482	1224	SINGLE-PORT-REFUELING	AIR	1.059	63 1198 61202000	
CHECK		19.157	350	DISTRIBUTION-FUEL-SYSTEM	AIR	524	63 1198 61202000	
CHECK		6.91581	600	BLEED-AIR-SYSTEM	AIR	1.5229	63 1198 61202000	
CHECK		8.22361	5	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	872	63 1198 61202000	
CHECK		19.6687	184	FIRE-EXTINGUISHER-SYSTEM	AIR	19776	63 1198 61202000	
CHECK		30.6492	50	RADAR-PRESSURE-SYSTEM	AIR	12691	63 1198 61202000	
CHECK		33.4252	100	DISTRIBUTION-FUEL-SYSTEM	AIR	11637	63 1198 61202000	
CHECK		33.4252	100	AIR-STARTER-UMBRELLA-J-85	AIR	11637	63 1198 61202000	
CHECK		23.2868	946	EQUIPMENT-COOLING-SYSTEM	AIR	22854	63 1198 61202000	
CHECK		37.0447	940	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	105	63 1198 61202000	
CHECK		17.9086	597	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	51769	63 1198 61202000	
CHECK		26.61158	14	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	28	63 1198 61202000	
CHECK		46.2011	103	FIRE-EXTINGUISHER-SYSTEM	AIR	088	63 1198 61202000	
CHECK		45.8799	50	SINGLE-PORT-REFUELING-SYSTEM	AIR	09478	63 1198 61202000	
CHECK		32.3544	504	HYDRAULIC-POWER-SUPPLY	AIR	1645	63 1198 61202000	
CHECK		16.4901	1450	FIRE-EXTINGUISHER-SYSTEM	AIR	2.4586	63 1198 61202000	
CHECK		51.8626	50	HYDRAULIC-POWER-SUPPLY	AIR	075	63 1198 61202000	
CHECK		17.6322	1450	HYDRAULIC-POWER-SUPPLY	AIR	2.173	63 1198 61202000	

NOPE AIR DEVELOPMENT CENTER, ORBITERS AFB, N.Y.  
SECTION 1 - RADOME AIR DATA

NONELFETRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
								RPT	SACE REF NO
CHECK	CANOPY SEAL-SYSTEM		AIR	16.2857	55.5671	640	107	61	1060 6129200024
CHECK	OIL-SYSTEM-GTC-AUXILIARY-POWER-PLANT		AIR	15.7591	41.9275	50	12691	65	1198 61294000
CHECK	OIL-SYSTEM		AIR	13.1865	27.9167	400	46548	65	1198 61294000
CHECK	OIL-SYSTEM-GTC-AUXILIARY-POWER-PLANT		AIR	17.1865	45.736	100	11637	65	1198 61294000
CHECK	FUEL-EXHAUST-VENT-NO-2-HYD-SYSTEM		AIR	21.2265	78.4751	96	104944	65	1227 61304000
CHECK	FUEL-GT-EXHAUSTION		AIR	21.9424	81.4495	124	104773	63	1111 61302000
CHECK	OVERSPEED-STARTING-SYSTEM		AIR	21.9424	55.7308	248	10953	63	1111 61304000
CHECK	EQUIPMENT-COOLING-SYSTEM		AIR	22.8154	60.7152	406	104766	64	1179 61305000
CHECK	FUEL-SYSTEM		AIR	23.5904	32.1188	200	33912	63	1198 61308000
CHECK	FUEL-SYSTEM		AIR	26.7558	43.4605	200	299	63	1114 61310000
CHECK	FUEL-SYSTEM		AIR	32.258	85.2435	272	1062	63	1114 61312000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	32.258	85.2435	272	1062	63	1114 61314000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	37.1426	46.5315	504	106387	65	1152 61315000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	37.3233	53.6746	250	375	63	1114 61318000
CHECK	FUEL-SYSTEM		AIR	36.66	57.0148	408	363	63	1114 61320000
CHECK	HYDRAULIC-SYSTEM-AIR-CONDITIONER		AIR	41.1037	55.6878	250	4219	62	1198 61322000
CHECK	HYDRAULIC-SYSTEM-APL		AIR	41.453	157.35	40	102472	65	1227 61340000
CHECK	FUEL-SYSTEM		AIR	41.4687	54.4213	200	150763	65	1198 61342000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	52.6332	63.8322	800	53057	65	1198 61345000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	53.8243	73.1183	404	353	63	1114 61350000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	56.4516	94.5266	544	124	63	1114 61352000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	55.981	75.1784	200	150763	65	1198 61354000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	61.4456	82.313	400	46548	65	1198 61356000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	66.6666	251.313	68	1015	63	1114 61358000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	71.9165	87.953	530	11356	65	1198 61360000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	80.047	91.2774	1122	1024	63	1114 61362000
CHECK	HYDRAULIC-POWER-SUPPLY		AIR	80.9061	215.303	48	102472	65	1227 61364000
CHECK	CONSTANT-SPEED-DRIVE-SYSTEM		AIR	114.285	218.387	320	1035	61	1080 613660000A
CHECK	HYDRAULIC-SYSTEM		AIR	172.268	119.303	1824	476	66	1275 61368000
CHECK	HYDRAULIC-SYSTEM		GRD	182.815	71.096	85	100547	62	1113 61390000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	199.98	219.423	385	110001	66	1225 61392000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	201				61	1212 61394000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	262.5				57	121 61396000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	245.225	275.534	597	51789	67	1272 61398000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	25				61	1065 61360000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	279.281	379.131	200	23274	65	1198 61362000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	330.266	425.571	50	108478	62	1198 61364000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	346.666	411.152	50	1075	63	1114 61366000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	414.354	611.546	130	1031	53	1114 61368000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	421.454	490.286	204	1176	63	1114 61370000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	449.256	947.314	100	16956	65	1198 61372000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	0	93.1472	48	102472	65	1227 61374000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	0	93.1472	48	102472	65	1227 61376000
CHECK	TEMP-HYDRAULIC-SYSTEM		AIR	0				65	1227 61378000

## FEBRUARY 1949



JANUARY 1963

[illegible]

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, M-Y.  
SECTION I  
FAILURE RATE DATA

HOME ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS 925 VALVES

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	TR OF DATA	CROSS INDEX REF NO
COMBINATION	OXYGEN-SYSTEM	AIR	273.785	360.296	406	-08766	44	1179 61556000
CONSTANT-FLOW-RELIEF	OXYGEN-SYSTEM	AIR	402.555	489.822	473	-11427	63	1229 61556000
CONSTANT-SPEED-DRIVE-RELIEF	ELECTRICAL-POWER-707-331	GPD	0	3243.09		-00071	65	1207 61560000
CONSTANT-SPEED-DRIVE-RELIEF	ELECTRICAL-POWER-707-131	AIR	0				66	2362 61562000
CONT-FLOW-REGULATION	OXYGEN-002	AIR	300P				65	2362 61564000
CONT-FLOW-REGULATION	OXYGEN-002	AIR	300P				66	2362 61566000
CONTROL	LEVEL-PRESSURE-REFUELING-SYSTEM	AIR	160P				65	2362 61568000
CONTROL	LEVEL-PRESSURE-REFUELING-SYSTEM	AIR	0	20.1505	473	-11427	65	1228 61570000
CONTROL	ATTITUDE	AIR	0	26.2673	406	-08766	64	1179 61572000
CONTROL	OUTLET-LOWER-FLIGHT-STATION.	GPD	0	1051.41	34	-00219	62	1113 61574000
CONTROL	OUTLET-LOWER-FLIGHT-STATION.	AIR	0	93.1672	48	-02472	65	1227 61576000
CONTROL	AIR-CONDITIONING	AIR	0					
CONTROL	DOOR-BOMB-BAY	AIR	0	81.1346	50	-02838	64	1144 61578000A
CONTROL	PYLOA-TANK-DISTRIBUTION-FUEL-SYSTEM	AIR	0	6.78992	200	-33912	63	1198 61580000
CONTROL	ACCUMULATOR-NO-3-HYDRAULIC-SYSTEM	AIR	0	55.9834	76	-04113	66	1250 61582000
CONTROL	OUTLET-LOWER-FLIGHT-STATION.	AIR	6.07902	23.4455	304	-1645	66	1250 61584000
CONTROL	AIR-CONDITION	AIR	0					
CONTROL	CG-EMERGENCY	LAB	8.5				63	1138 61586000
CONTROL	INT-TANK-FUEL-SYSTEM	AIR	9.52381	37.0447	940	-105	61	1089 61588000
CONTROL	RETRACT-NOSE-LANDING-GEAR	AIR	13.3779	26.7342	200	-299	63	1114 61590000
CONTROL	INT-TANK-FUEL-SYSTEM	AIR	17.6335	32.7092	75	-28355	65	1196 61592000
CONTROL	LEVEL-SINGLE-POINT-REFUELING	AIR	17.6928	31.0571	200	-33912	63	1198 61594000
CONTROL	LEVEL-SINGLE-POINT-REFUELING	AIR	25.3057	52.4343	200	-33912	63	1198 61596000
CONTROL	EMERGENCY-LANDING-GEAR-RAIN	AIR	40.5491	54.4214	597	-21789	67	1272 61598000
CONTROL	GUN-TURRET-FIRE-CONTROL-SYSTEM	AIR	41.8848	111.461	124	-04775	63	1111 61600000
CONTROL	BOOSTER-FLOW	AIR	41.8935	162.953	62	-02387	63	1111 61602000
CONTROL	ACTUATOR-LOCK-DOOR-HYDRAULIC.	AIR	43.9814	93.8871	150	-08314	64	1144 61604000
CONTROL	PRESSURE	AIR	48.5263	129.401	76	-04113	66	1250 61606000A
CONTROL	ACTUATING-CYLINDER-DOOR-HYDRAULIC.	AIR	48.5263	129.401	76	-04113	66	1250 61608000A
CONTROL	MAIN-LANDING-GEAR	AIR	54.4274	79.1803	75	-28355	65	1196 61610000
CONTROL	DOOR-LANDING-GEAR	AIR	71.4285	277.835	68	-014	59	1110 61612000
CONTROL	DUAL-LEVEL-SINGLE-POINT-REFUEL	AIR	76.8608	104.783	400	-2472	65	1227 61614000
CONTROL	BRAKE	AIR	78.7815	111.829		-1904	64	1263 61616000
CONTROL	BRAKE	AIR	78.7815	111.829		-1904	64	1263 61618000
CONTROL	ACTUATING-CYLINDER-DOOR.	AIR	78.7815	111.829		-1904	64	1263 61620000
CONTROL	HYDRAULIC-PRESSURE	AIR	80.9061	215.303	48	-02472	65	1227 61622000
CONTROL	ACTUATOR-LOCK-DOOR.	AIR	80.9061	215.303	48	-02472	65	1227 61624000
CONTROL	HYDRAULIC-PRESSURE	AIR	80.9061	215.303	48	-02472	65	1227 61626000
CONTROL	PNE-NAF-AIR-EXIT.	AIR	85.026	143.093	152	-08226	66	1250 61628000A
CONTROL	AIR-CONDITIONING-SYSTEM	AIR	93.4907	151.86		-08557	63	1123 61630000A
CONTROL	AFTERBURNER-NOZZLE	AIR	103.119	152.801	100	-11637	65	1198 61632000
CONTROL	MAINT-DOOR-HYDRAULIC-RAMP	AIR						

-00 N.O.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 COMP LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRC	REF NO
CONTROL	.00 N.O.C.	STARTER-AUXILIARY-POWER-UNIT.	AIR	109.409	172.696	152	.06226	66	1250 61632000
		HYDRAULIC-SYSTEM							
CONTROL		LOCK-HYDRAULIC-FORWARD-CARGO	AIR	113.036	175.075	102	.088	63	1114 61634000
CONTROL		EMERGENCY-TID-PROTECTION-GEAR	AIR	125.08	275.802	62	.02387	63	1111 61636000
CONTROL		FLIGHT-CONTROLS	AIR	134.013	166.414	75	.28355	65	1196 61638000
CONTROL		SHAKE-LANDING-GEAR	AIR	141.942	174.523	75	.283	65	1196 61640000
CONTROL		SHAKE-ANTI-SKID-LANDING-GEAR	AIR	145.087	270.241		.03432	66	1241 61642000
CONTROL		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	151.133	336.544	180	.01985	65	1198 61644000
CONTROL		LEVEL-TRANSFER-FUEL	AIR	163.408	165.029		.6854	66	1263 61646000
CONTROL		CROSSFEED-FUEL-DISTRIBUTION	AIR	167.504	443.753	31	.01194	63	1111 61648000
CONTROL			AIR	167.7				57	211 61650000
CONTROL			AIR	168				61	212 61652000
CONTROL		ACTUATOR-LOCK-DOOR-HYDRAULIC-PETAL	AIR	170.192	286.187	76	.04113	66	1250 61654000
CONTROL		ACTUATOR-DOOR-HYDRAULIC-PETAL	AIR	170.192	286.187	76	.04113	66	1250 61656000
CONTROL		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	176.928	251.148	50	.08478	65	1198 61658000
CONTROL		ACTUATOR-DOOR-HYDRAULIC-LARGO-WARP	AIR	194.505	315.942	76	.04113	66	1250 61660000
CONTROL			AIR	198				57	211 61662000
CONTROL		MOON-TELESCOPING	AIR	200	777.94	16	.005	59	1110 61664000
CONTROL		ACTUATOR-LOCK-DOOR	AIR	202.265	375.19	98	.02472	65	1227 61666000
		HYDRAULIC-PETAL							
CONTROL		STARTER-PNEUMATIC-SYSTEM	AIR	224.924	280.14	304	.1645	66	1250 61668000
CONTROL		ACTUATOR-DOOR-HYDRAULIC-PETAL	AIR	242.718	426.055	48	.02472	65	1227 61670000
CONTROL		PNE-HAP-AIR-EXIT	AIR	242.718	359.659	96	.04944	65	1227 61672000
		AIR-CONDITIONING-SYSTEM							
CONTROL		AUTOPILOT-ENGAGEMENT	AIR	270.143	357.684	150	.08514	64	1144 61674000
CONTROL		SHAKE-LANDING-GEAR	AIR	271.247	476.134		.02212	66	1241 61676000
CONTROL		ACCUMULATOR-NO-3-HYDRAULIC-SYSTEM	AIR	283.171	476.169	48	.02472	65	1227 61678000
CONTROL		MANIFOLD-COOR-HYDRAULIC-RAMP	AIR	315.183	389.174	50	.12691	65	1198 61680000
CONTROL		ACTUATOR-DOOR-HYDRAULIC-CARGO-RAMP	AIR	323.624	525.675	48	.02472	65	1227 61682000
CONTROL		MANIFOLD-DOOR-HYDRAULIC-RAMP	AIR	340.909	435.398	102	.088	63	1114 61684000
CONTROL		AUTOMATIC-RETRACT	AIR	400	1044.46	16	.095	59	1110 61686000
CONTROL			AIR	450				61	1048 61688000
CONTROL		ELEVON	AIR	1371.42	1568.8	640	.07	61	1080 61690000
CONTROL		PUMP	AIR	1666.66	2728.61	64	.018	59	1110 61692000
CONTROL		SPLITTER-IMBOARD	AIR	111.111	432.188	32	.009	59	1110 61694000
CONTROL		STARTER-AUXILIARY-POWER-UNIT.	AIR	121.354	213.027	96	.04944	65	1227 61696000
		HYDRAULIC-SYSTEM							
CONTROL		STARTER	AIR	141.676	269.433	180	.0847	64	1144 61698000
CONTROL		SPOILER-OUTBOARD	AIR	222.222	591.366	32	.009	59	1110 61700000
CONTROL		STARTER-PNEUMATIC-SYSTEM	AIR	232.605	307.982	172	.09888	65	1227 61702000
CONTROL		STARTER	AIR	376.943	470.974	248	.0955	63	1111 61704000
CONTROL		STARTER	AIR	500	640.778	48	.014	59	1110 61706000
CONTROL		FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	5	55.934	76	.04113	64	1250 61708000
CONTROL		FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	5	93.1472	48	.02472	65	1227 61710000
CONTROL		CONTROL-AIR-FLOW	AIR	5	191.883	31	.012	63	1111 61712000



HOME AIR DEVELOPMENT CENTER, OFFICES AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1948

PART CLASS VALVES

PART DESCRIPTION FUNCTIONAL APPLICATION ENVIRONMENT FAILURE RATE UPPER QC CONF LIMIT PART POPU- LATION PART OF DATA INDEX CROSS RPT SPEC REF NO

100 N.O.C.

CONTROL-MANUAL	W-LOCK	AIR	1104.09	1314.2	320	-0.55	61	1080	618000004
CONTROL-MANUAL-1-WAY		AIR	•	164.471		-0.14	61	1082	61807000
CONTROL-MANUAL-2-WAY		AIR	•	14.1263		-1.63	61	1083	618040000
CONTROL-MANUAL-3-WAY		AIR	•	40.3944		-0.57	61	1084	618060000
CONTROL-MANUAL-4-WAY-1-TARY		AIR	11.6504	20.4506		-0.15	61	1084	618060000
CONTROL-MANUAL-4-WAY-2-TARY		AIR	14.9122	18.7559		2.28	61	1083	618100000
CONTROL-MANUAL-4-WAY-3-TARY		AIR	7.36196	12.5228		-0.15	61	1083	618120000
CONTROL-NORMAL	TIP-PROTECTION-GEAR	AIR	12.568	27.9882	62	-0.2367	63	1111	618140000
CONTROL-POCKET	PNEUMATIC-ACTUATED-FULL-LEVEL	GRD	•	767.130	9	-0.0030	66	1245	618140000
CONTROL-POWER	PNEUMATIC-SYSTEM	AIR	40.2527	67.016		-2.6843	63	1123	618180000
CONTROL-PRESSURE	WATER-CONTROL-AN/ART-6	AIR	•	110.224	100	-0.2089	63	1198	618200000
CONTROL-PRESSURE-DIFFERENTIAL	FLIGHT	AIR	103.22	658.438		-0.4968	63	1123	618220000
CONTROL-SOLENOID		AIR	12				65	219	618240000
CONTROL-SOLENOID		AIR	110				65	219	618240000
CONTROL-SOLENOID		AIR	118				65	219	618240000
CONTROL-SOLENOID		AIR	141				65	219	618300000
CONTROL-SOLENOID		AIR	149				65	219	618310000
CONTROL-SOLENOID	FLIGHT-INSTRUMENTATION-SYSTEM	AIR	•	777.94	16	-0.05	59	1110	618340000
CONTROL-TEMPERATURE	WATER-AIR-CONDITION	AIR	•	27.9917	152	-0.8226	66	1250	618360000
CONTROL-TEMPERATURE	CANOPY-DEFOG	AIR	17.5024	46.5765	473	-1.1427	65	1228	618380000
CONTROL-TEMPERATURE	CANOPY-DEFOG	AIR	18.6162	52.2217	597	-5.1789	67	1272	618400000
CONTROL-TEMPERATURE	CANOPY-DEFOG	AIR	91.2636	148.239	406	-0.8766	64	1179	618420000
CONTROL-TEMPERATURE	CANOPY-AIR-CONDITIONED	AIR	161.585	238.084	96	-0.4944	65	1227	618440000
CONTROL-TEMPERATURE	AIR-CONDITIONED-SYSTEM	AIR	454.545	645.224	128	-0.23	58	1225	618460000
CONTROL-TEMPERATURE	AIR-CONDITIONED-FLIGHT	AIR	200	645.386	58	-0.15	63	1114	618480000
DUAL-BUTTERFLY		AIR	260.026	328.216	50	-1.2691	65	1198	618500000
DUAL-BUTTERFLY	AIR-CONDITIONED-FLIGHT	AIR	241.363	346.04	102	-0.88	63	1114	618520000
DUAL-BUTTERFLY	AIR-CONDITIONED-FLIGHT	AIR	266.666	532.903	68	-0.15	63	1114	618540000
CONTROL-TEMPERATURE	AIR-CONDITIONED-CARGO	AIR	352.324	433.874	100	-1.1637	65	1198	618560000
DUAL-BUTTERFLY	AIR-CONDITIONED-FLIGHT	AIR	446.84	577.21	100	-1.1637	65	1198	618580000
DUAL-BUTTERFLY	AIR-CONDITIONED-CARGO	AIR	636.942	763.063	50	-0.8478	63	1198	618600000
CONTROL-TEMPERATURE	AIR-CONDITIONED-FLIGHT	AIR	653.333	789.986	50	-0.75	63	1114	618620000
CONTROL-TEMPERATURE	AIR-CONDITIONED-FLIGHT	AIR	863.636	1004.97	102	-0.88	63	1114	618640000
DUAL-BUTTERFLY	LANDING-GEAR-707.3318	AIR	937.672	1057.72	50	-1.2891	65	1198	618660000
CONTROL-TEMPERATURE		AIR							
DUAL-BUTTERFLY		AIR							

MONTELECTRONIC PART FAILURE RATE DATA

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART MEANS	70 DATA INDEX	CROSS REF NO
PART DESCRIPTION									
.00 M.O.C.									
CONTROL-TEMPERATURE.		AIR-CONDITIONING-CARGO	AIR	1546.66	1747.44	50	.075	63	1114 61800000
DUAL-BUTTERFLY		LANDING-GEAR. 707-131	AIR	1500.36	1770.32	50	.08676	63	1198 61875000
CONTROL-TEMPERATURE.		ENGINE	AIR	0	24.1104	320	.06953	63	1111 61872000
CONTROL-VARIABLE-INLET			AIR	1000	1195.98	320	.0955	61	1000 61874000
CONTROL-WATER-SOLENOID			AIR	181354	.483143		11.014	63	2239 61872000
CONTROL-3-WAY.2-POSITION.			GRD	295.057C	455.018C	120	.0530C	66	1245 61870000
ELECTRO-PNEUMATIC-ACTUATED									
CONTROL-AIR-MODULATING-SINGLE-UNIT		AIR-CONDITIONING-SYSTEM	AIR GRD	312.05	455.039		.06736	62	1320 61800000
CONTROL-AIR-SHUT-OFF-HIGH-PRESS.25-INCH		AIR-CONDITIONING-SYSTEM	AIR GRD	42.0075	163.707		.02376	62	2320 61802000
CONTROL-AND-VENT			AIR	35.0262	47.3644		.571	63	2121 61804000
CONTROL-COMPRESSOR-BLEED		ENGINE. 707-331	AIR	40P				66	2301 61804000
CONTROL-COMPRESSOR-BLEED		ENGINE. 707-131	AIR	120P				66	2361 61800000
CONTROL-COMPRESSOR-BLEED		ENGINE. 707-120	AIR	130P				65	2301 61800000
CONTROL-COMPRESSOR-BLEED		ENGINE. 707-1310	AIR	370P				66	2361 61802000
CONTROL-FLOW-REGULATOR		OXYGEN. 880	AIR	80P				66	2363 61804000
CONTROL-FLOW-REGULATOR		OXYGEN. 880	AIR	80P				66	2363 61806000
CONTROL-FLOW-REGULATOR		OXYGEN. 880	AIR	160P				65	2360 61800000
CONTROL-PNEUMATIC-BRAKE		LANDING-GEAR. 707-331	AIR	340P				66	2362 61900000
CONTROL-MODULATING.		ANTI-SKID	AIR	14.5007	27.0241		.3432	66	1241 61902000
TWO-STAGE									
CONVERTER. IOLE-THRUST			AIR	0	65.7885	320	.035	61	1000 61904000
COOL-AIR-ASPIRATOR-SHUTOFF		ENGINE. 880	AIR	914.893	1120.97	260	.047	61	1000 61904000
COOL-AIR-ASPIRATOR-SHUTOFF		ENGINE. 880	AIR	80P				66	2363 61900000
COOL-AIR-ASPIRATOR-SHUTOFF		ENGINE. 880	AIR	80P				66	2363 61910000
COOL-AIR-ASPIRATOR-SO		ENGINE. 880	AIR	480P				65	2363 61912000
COOL-AIR-ASPIRATOR-SO		ENGINE. 880	AIR	70P				66	2360 61914000
COOL-AIR-ASPIRATOR-SO		ENGINE. 880	AIR	150P				66	2360 61910000
COOL-AIR-ASPIRATOR-SO		ENGINE. 880	AIR	170P				66	2363 61910000
COOL-AIR-ASPIRATOR-SO		ENGINE. 880	AIR	270P				65	2363 61920000
COOL-AIR-ASPIRATOR-SO		ENGINE. 880	AIR	400P				65	2360 61927000
COOL-VENT			GRD	3921.54C	10435.8C		.00091C	66	2351 61924000
COOLING. 4-INCH			GRD	0	3337.1C		.00069C	66	2351 61926000
CO2-ENG-SEL-SOLENOID		FIRE-PROTECTION. 707-131	AIR	70P				65	2354 61928000
CO2-ENG-SEL-SOLENOID		FIRE-PROTEL 'OM. 707-331 (STORAGE)	AIR	80P				66	2364 61930000
DIRECTIONAL-CONTROL		FIRE-EXTINGUISHING-SYSTEM	AIR	22.831	27.7804		2.0148	63	211 61932000
DIRECTIONAL-CONTROL		FIRE-EXTINGUISHING-SYSTEM	AIR	0	23.2668	192	.09988	65	1227 61934000
DIRECTIONAL-CONTROL		LANDING-GEAR. 727	AIR	0	13.9875	304	.1093	66	1250 61936000
DISC-SHUTTLE. MAIN-GEAR-BRAKE			AIR	50P				66	2363 61938000
DISC-SHUTTLE. MAIN-GEAR-BRAKE		LANDING-GEAR. 727	AIR	50P				66	2363 61940000

**Case**

SECTION I	FAILURE RATE DATA	SECTION II	FAILURE RATE DATA		
PART CLASS	Q'S VALVES	PART DESCRIPTION	Q'S VALVES		
UPPER	PART	ENVIRONMENT	UPPER	PART	ENVIRONMENT
9C CONF	POPULATION	FAILURE RATE	9C CONF	POPULATION	FAILURE RATE
LIMIT	LATION	RATE	LIMIT	LATION	RATE
YR	CROSS	OF DATA	YR	CROSS	OF DATA
REF NO	REF NO	REF NO	REF NO	REF NO	REF NO
150P	65 2365	61942000	150P	65 2365	61942000
50P	66 2360	61944000	50P	66 2360	61944000
60P	66 2363	61946000	60P	66 2363	61946000
119.84	66 1225	61948000	119.84	66 1225	61948000
565.055	63 2115	61950000	565.055	63 2115	61950000
17.1865	65 1198	61952000	17.1865	65 1198	61952000
26.8456	63 1114	61954000	26.8456	63 1114	61954000
32.258	63 1114	61956000	32.258	63 1114	61956000
34.0909	63 1114	61958000	34.0909	63 1114	61958000
35.3857	63 1198	61960000	35.3857	63 1198	61960000
39.3979	65 1198	61962000	39.3979	65 1198	61962000
66.6666	63 1114	61964000	66.6666	63 1114	61964000
68.7462	65 1198	61966000	68.7462	65 1198	61966000
79.5454	63 1114	61968000	79.5454	63 1114	61968000
94.5551	65 1198	61970000	94.5551	65 1198	61970000
97.2526	66 1250	61972000	97.2526	66 1250	61972000
161.812	65 1227	61974000	161.812	65 1227	61974000
747.205	64 1179	61976000	747.205	64 1179	61976000
748.227	65 1228	61978000	748.227	65 1228	61978000
17.1865	65 1198	61980000	17.1865	65 1198	61980000
34.0909	63 1114	61982000	34.0909	63 1114	61982000
47.2775	65 1198	61984000	47.2775	65 1198	61984000
66.6666	63 1114	61986000	66.6666	63 1114	61986000
94.5454	65 1198	61988000	94.5454	65 1198	61988000
106.666	63 1114	61990000	106.666	63 1114	61990000
90.909	61 1080	61992000	90.909	61 1080	61992000
109.375	65 1227	61994000	109.375	65 1227	61994000
93.1472	65 1227	61996000	93.1472	65 1227	61996000
93.1472	65 1227	61998000	93.1472	65 1227	61998000
15.7868	65 1198	62000000	15.7868	65 1198	62000000
46.3393	63 1123	62002000	46.3393	63 1123	62002000
93.1472	65 1227	62004000	93.1472	65 1227	62004000
93.1472	65 1227	62006000	93.1472	65 1227	62006000
93.1472	65 1227	62008000	93.1472	65 1227	62008000
93.1472	65 1227	62010000	93.1472	65 1227	62010000
93.1472	65 1227	62012000	93.1472	65 1227	62012000
93.1472	65 1227	62014000	93.1472	65 1227	62014000
93.1472	65 1227	62016000	93.1472	65 1227	62016000
93.1472	65 1227	62018000	93.1472	65 1227	62018000
93.1472	65 1227	62020000	93.1472	65 1227	62020000
93.1472	65 1227	62022000	93.1472	65 1227	62022000
93.1472	65 1227	62024000	93.1472	65 1227	62024000
93.1472	65 1227	62026000	93.1472	65 1227	62026000
93.1472	65 1227	62028000	93.1472	65 1227	62028000
93.1472	65 1227	62030000	93.1472	65 1227	62030000
93.1472	65 1227	62032000	93.1472	65 1227	62032000
93.1472	65 1227	62034000	93.1472	65 1227	62034000
93.1472	65 1227	62036000			

# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</
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ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA

NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	TR OF DATA	CROSS INDEX REF NO
DRAIN	DOOR-HYDRAULIC-FORWARD-CARGO		AIR	7.8796	30.6492	50	-12591	65	1198 62080000
DRAIN	OIL-TANK-ENGINE		AIR	7.87975	15.7468	200	-50763	65	1198 62090000
DRAIN	COCKPIT-FUSELAGE-CENTER-SECTION		AIR	8.7512	23.2882	946	-22854	65	1228 62092000
DRAIN	SINGLE-POINT-REFUELING		AIR	10.0166	17.5828	400	-599	63	1114 62094000
DRAIN	SINGLE-POINT-REFUELING		AIR	10.3209	17.3553	400	-67823	63	1198 62096000
DRAIN	ENGINE		AIR	10.4712	40.7298	248	-0955	63	1111 62098000
DRAIN	MANIFOLD-FUEL-SYSTEM		AIR	10.5501	21.0833	400	-37916	65	1201 62100000
DRAIN	DOOR-HYDRAULIC-FORWARD-CARGO		AIR	11.3636	44.2011	102	-088	63	1114 62102000
DRAIN	SINGLE-POINT-REFUELING		AIR	11.3636	44.2011	102	-088	63	1114 62104000
DRAIN	COCKPIT-FUSELAGE-CENTER-SECTION		AIR	11.5863	17.1686	1194	1.0357	67	1272 62106000
DRAIN	JETTISON-FUEL-SYSTEM		AIR	11.8194	26.321	100	-25382	65	1198 62108000
DRAIN	OIL-SYSTEM-TURBOJET-J-85		AIR	13.1268	29.2325	946	-22854	85	1228 62110000
DRAIN	AIR-CONDITIONING-SYSTEM		AIR	13.5174	19.4341	1194	1.0357	67	1272 62112000
DRAIN	MANIFOLD-FUEL-SYSTEM		AIR	15.0382	25.2876	400	-46548	65	1198 62114000
DRAIN	SINGLE-POINT-REFUELING		AIR	15.7591	41.9375	10	-12691	65	1198 62116000
DRAIN	OIL-TANK-ENGINE		AIR	17.6928	31.0571	200	-33912	63	1198 62118000
DRAIN			AIR SHP GRD 20					58	212 62120000
DRAIN	OIL-TANK-ENGINE		AIR	20.0668	35.2244	200	-299	63	1114 62122000
DRAIN	WATER-INJECTION-SYSTEM		AIR	20.9424	55.7308	248	-0955	63	1114 62124000
DRAIN	HYDRAULIC-POWER-SUPPLY		AIR	26.5392	41.8907	200	-33912	63	1198 62126000
DRAIN	OIL-SYSTEM-TURBOJET-J-85		AIR	29.4921	65.588	812	-10186	64	1179 62128000
DRAIN	HYDRAULIC-POWER-SUPPLY		AIR	30.1003	47.5117	200	-299	63	1114 62130000
DRAIN	MANIFOLD-FUEL-SYSTEM		AIR	32.258	85.8435	272	-062	63	1114 62132000
DRAIN	ADAPTER-PRESSURE-REFUELING-SYSTEM		AIR	34.2231	76.2126	408	-08766	64	1179 62134000
DRAIN	HYDRAULIC-POWER-SUPPLY		AIR	35.3804	62.1597	946	-22854	65	1228 62136000
DRAIN	COCKPIT-FUSELAGE-CENTER-SECTION		AIR	39.9269	67.1395	812	-17532	64	1179 62138000
DRAIN	ADAPTER-PRESSURE-REFUELING-SYSTEM		AIR	54.0655	69.6672	597	-51789	67	1272 62140000
DRAIN	OXYGEN-SYSTEM		AIR	57.0385	105.803	408	-08766	64	1179 62142000
DRAIN	HYDRAULIC-POWER-SUPPLY		AIR	57.0385	87.8773	812	-17532	64	1179 62144000
DRAIN	ADAPTER-PRESSURE-REFUELING-SYSTEM		AIR	61.2584	103.009	473	-11427	65	1228 62146000
DRAIN	OXYGEN-SYSTEM		AIR	61.2584	103.009	473	-11427	65	1228 62148000
DRAIN	OIL-SYSTEM-GAS-TURBINE-COMPRESSOR		AIR	64.4496	91.4857	200	-23274	65	1198 62150000
DRAIN	AUXILIARY-POWER-PLANT		AIR	64.5141	171.687	136	-031	63	1114 62152000
DRAIN	OIL-SYSTEM-GAS-TURBINE-COMPRESSOR		AIR	66.9779	84.2415	200	-50763	65	1198 62154000
DRAIN	AUXILIARY-POWER-PLANT		AIR	71.4285	132.495	640	-07	41	1080 62156000
DRAIN	COOLER		AIR	76.4872	99.0347	408	-353	63	1114 62158000
DRAIN	MANIFOLD-FUEL-SYSTEM		AIR	80.9061	215.303	48	-02473	65	1227 62160000
DRAIN	FLIGHT-STATION-OXYGEN-SYSTEM		AIR	93.6454	120.668	290	-299	63	1114 62162000
DRAIN	MANIFOLD-FUEL-SYSTEM		AIR	94.3905	158.723	144	-07416	65	1227 62164000
DRAIN	CARGO-COMPARTMENT-OXYGEN-SYSTEM		AIR	107.954	167.173	204	-176	63	1114 62166000
DRAIN	OIL-SYSTEM-GAS-TURBINE-COMPRESSOR		AIR	111.036	125.518	1194	1.0357	67	1272 62168000
DRAIN	AUXILIARY-POWER-PLANT		AIR	117.952	145.642	200	-33912	63	1198 62170000
DRAIN	HYDRAULIC-POWER-SUPPLY		AIR						
DRAIN	MANIFOLD-FUEL-SYSTEM		AIR						

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# KOMI AIP DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION I FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 525 VALVES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPULATION

PART HOURS

YR OF DATA RPT SEC REF NO

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SEC REF NO	CROSS INDEX
DRAIN		OIL-SYSTEM-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	118.153	150.953	100	.25382	65 1198 62172600	
DRAIN		OIL-SYSTEM-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	120	149.413	50	.375	63 1114 62174000	
DRAIN		CARGO COMPARTMENT-OXYGEN-SYSTEM	AIR	121.555	172.547	228	.1234	65 1250 62174000	
DRAIN		ALIGHT-STATION-OXYGEN-SYSTEM	AIR	145.878	256.068	76	.04113	66 1250 62178000	
DRAIN		PORT-HYDRAULIC-FORWARD-CARGO	AIR	151.133	316.564	100	.01985	65 1198 62160000	
DRAIN		OXYGEN SYSTEM	AIR	156.403	191.115	597	.51789	67 1272 62182000	
DRAIN		FUEL SYSTEM	AIR	162.209	171.453	1194	1.0357	67 1272 62184000	
DRAIN		OIL-SYSTEM-GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	200.516	25.435	50	.08476	63 1198 62186000	
DRAIN		SUMP-FUEL-TANK	AIR	257.142	332.942	960	.105	61 1080 62189000A	
DRAIN		REFUEL-ADAPTER	AIR	509.059	617.999	320	.055	61 1080 62190000	
DRAIN		FUEL SYSTEM	AIR	14.2857	55.5671	540	.07	61 1080 62192000A	
DRAIN		TANK-FUEL-SYSTEM	AIR	4.54858	15.7477	1088	.247	63 1114 62194000	
DRAIN		FUEL SYSTEM	AIR	17.337	30.4025	672	.34608	65 1227 62196000	
DRAIN		FUEL SYSTEM	AIR	36.5218	42.879	1600	1.8615	65 1158 62198000	
DRAIN		FUEL SYSTEM	AIR	57.7973	65.8864	500	.8479	63 1198 62200000	
DRAIN		FUEL SYSTEM	AIR	58.9569	70.8815	1020	.882	63 1114 62202000	
DRAIN		TANK-FUEL-SYSTEM	AIR	61.4152	74.7289	500	.749	63 1114 62204000	
DRAIN		FUEL SYSTEM	AIR	72.9419	89.5944	1064	.5758	66 1250 62180000A	
DRAIN		FUEL SYSTEM	AIR	90.6153	102.434	500	1.2691	65 1198 62208000	
DRAIN		GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	0	19.7868	100	.11637	65 1198 62210000	
DRAIN		FUEL SYSTEM-AUXILIARY-POWER-UNIT	AIR	0	93.1472	98	.02572	65 1227 62212000	
DRAIN		GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	15.7591	41.9375	50	.12691	65 1198 62214000	
DRAIN		GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	23.5904	62.7777	50	.08478	63 1198 62216000	
DRAIN		GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER-PLANT	AIR	26.6666	70.964	50	.075	63 1114 62218000	
DRAIN		POWER-PLANT	AIR	27.7819	36.5605	504	.06387	65 1155 62220000	
DRAIN		MANIFOLD-AFT-ENGINE	AIR	36.3636	60.767	320	.095	61 1080 62222000	
DRAIN			AIR	53.9033	65.1421	424	.538	64 1266 62224000A	
DRAIN			AIR	55.5555	67.3119		.864	63 2109 62226000	
DRAIN			AIR	102.669	141.206	812	.17532	64 1179 62228000	
DRAIN			AIR	140.019	177.358	546	.22854	65 1228 62230000	
DRAIN			AIR	251.308	372.388	124	.04775	63 1151 62232000	
DRAIN			AIR	7.0756	30.6492	50	.12691	65 1198 62234000	
DRAIN		SINGLE-POINT-REFUELING	AIR	11.3636	44.2011	102	.084	63 1114 62236000	
DRAIN		SINGLE-POINT-REFUELING	AIR	17.1865	48.736	100	.11637	63 1198 62238000	
DRAIN		SINGLE-POINT-REFUELING-SYSTEM	AIR	40.453	107.051	96	.04944	65 1227 62240000	
DRAIN		SINGLE-POINT-REFUELING-SYSTEM	AIR	109.409	172.696	152	.08226	66 1250 62242000A	
DRAIN		OIL-TANK-ENGINE	MULTI	145.532	189.452	302	.214	66 1234 62244000A	
DRAIN		JETTISON-FUEL-SYSTEM	AIR	2.14832	8.35632	400	.46548	65 1198 62246000	

DRAIN-MANUAL-OPERATION  
DRAIN-SPRING-LOADED



## XEROELECTRONIC PAST FAILURE RATE DATA JANUARY 1968

53A1VA 526 VALVES

## FUNCTIONAL APPLICATION

W. B. C.

[illegible]

NON-ELECTRONIC PART FAILURE RATE DATA

... AT THE UNIVERSITY OF CALIFORNIA COLLEGE OF AGRICULTURE

SECTION I FAILURE RATE DATA

PART CLASS	VALVES	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 50 CONF LIMIT	PART POPU- LATION	DAT MOUHS	YR RPT SALE	CROSS INDEX REF NO
00	N.O.C.									
FAULTS-WATER				AIR		27.1597	50	-09478	63	1198 62406700
FAULTS-WATER				AIR		19.7869	100	.111837	63	1198 62408050
FAULTS-WATER				AIR	7.8796	30.6492	30	.12691	63	1198 62410000
FILL-AND-DRAIN-FUEL				GRO	7352.94C	13639.2C		.00068C	66	2MS1 62412000
FILL-AND-DRAIN-FUEL				GRO	292897C	360642C		.00014C	66	2MS1 62414000
FILL-AND-VENT				GRO	7031.25C	11098.4C		.00128C	66	2MS1 62416000
FILL-AND-VENT				GRO	24137.9C	40589.2C		.00029C	66	2MS1 62418000
FILLER		TANK-CONSTANT-SPEED-DRIVE-OIL-SYSTEM		AIR		23.2868	192	.09888	63	1227 62420000
FILLER		TANK-ENGINE-OIL-SYSTEM		AIR		4.94672	400	.46348	63	1198 62422000
FILLER		TANK-CONSTANT-SPEED-DRIVE-OIL-SYSTEM		AIR		13.5975	304	.1645	66	1250 62424000
FILLER				AIR	SMP GRO 10				58	212 62426000
FILLER				AIR	SMP GRO 10				58	212 62428000
FILLER		ACCUMLATOR-NO-3-HYDRAULIC-SYSTEM		AIR	10.1132	39.3375	192	.09888	63	1227 62430000
FILLER		ACCUMLATOR-NO-3-HYDRAULIC-SYSTEM		AIR	12.1158	32.3544	304	.1645	66	1250 62432000
FILLER		COAL-FLOAT-TANK-SINGLE-PT-REFUEL		AIR	40.1327	59.47	200	.299	63	1114 62434000
FILLER		COAL-FLOAT-TANK-SINGLE-PT-REFUEL		AIR	58.504	69.4893	800	.93097	63	1198 62436000
FILLER		COAL-FLOAT-TANK-SINGLE-PT-REFUEL		AIR	61.7243	74.9432	300	.76145	63	1198 62438000
FILLER		COAL-FLOAT-TANK-SINGLE-PT-REFUEL		AIR	75.6143	93.3651	612	.529	63	1114 62440000
FILLER		ACCUMULATOR-HYDRAULIC		AIR	85.7142	150.458	846	.07	61	1089 62442000
FILLER		DUAL-FLOAT-TANK-SINGLE-PT-REFUEL		AIR	98.7096	133.856	544	.124	63	1114 62444000
FILLER		OXYGEN-SUPPLY		AIR	167.35	294.11	93	.03581	63	1111 62446000
FILLER		OXYGEN-SYSTEM		AIR	296.351	375.465	63	.10798	63	1155 62448000
FILLER				AIR	592.592	699.282		.106	63	2102 62450000
FILLER	AIR	LANDING-GEAR-NOSE		AIR		18.1435	50	.12691	66	1198 62452000
FILLER	AIR			AIR		14.1263		.163	61	1083 62454000
FILLER	AIR	TIME-NOSEWHEEL		AIR	.643666	2.50366	1791	.15536	67	1272 62456000
FILLER	AIR	TIRE-LANDING-GEAR		AIR	2.91706	11.3465	1419	.34281	63	1228 62458000
FILLER	AIR	LANDING-GEAR		AIR	3.80257	14.7908	1218	.26298	64	1179 62460000
FILLER	AIR	LANDING-GEAR-MAIN		AIR	4.29664	11.434	400	.46544	63	1198 62462000
FILLER	AIR	LANDING-GEAR-MAIN		AIR	17.7294	27.9849	280	.50763	63	1198 62464000
FILLER	AIR	HYDRAULIC-SYSTEM		AIR	18.5219	49.2896	63	.10798	63	1155 62466000
FILLER	AIR	LANDING-GEAR-MAIN		AIR	25.4957	40.2436	408	.353	63	1114 62468000
FILLER	AIR	LANDING-GEAR-NOSE		AIR	25.7798	57.4099	108	.11637	63	1198 62470000
FILLER	AIR	ACCUMULATOR-HYDRAULIC-POWER-SUPPLY		AIR	43.4782	115.702	284	.046	63	1114 62472000
FILLER	AIR	HYDRAULIC-SYSTEM		AIR	51.3698	114.397	224	.0584	64	1223 62474000
FILLER	AIR	LANDING-GEAR-NOSE		AIR	65.6666	259.313	68	.015	63	1114 62476000
FILLER	AIR	LANDING-GEAR-NOSE		AIR	82.5666	138.84	50	.00478	63	1198 62478000
FILLER	AIR	LANDING-GEAR-MAIN		AIR	91.417	116.271	280	.33912	63	1198 62480000
FILLER	AIR	LANDING-GEAR-NOSE		AIR	93.3333	156.945	50	.075	63	1114 62482000
FILLER	AIR	ACCUMULATOR-HYDRAULIC-POWER-SUPPLY		AIR	100.254	125.646	380	.34211	63	1198 62484000
FILLER	AIR	LANDING-GEAR-MAIN		AIR	103.134	129.144	200	.297	63	1114 62486000
FILLER	AIR	LANDING-GEAR-MAIN		AIR	428.971	752.292		.014	61	1082 62488000
FILLER	AIR			AIR		2302.9C	3	.0015	62	1082 62490000
FILLER-MELIUM				LAB	333.353	541.443	62	.024	63	1111 62492000
FILLER-OXYGEN		PORTABLE-SYSTEM		AIR		4.04401	100	.30032	63	1358 62494000

RECEIVED

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	FAILURE MODE	UPPER TO COMP	WATER	DATA	CHG
PART DESCRIPTION			ENVIRONMENT	CLINT	SYSTEM	DATE	TIME
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	109.647		41	1837
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	7.19217	524	42	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	7.27454	908	43	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	1.8702		44	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	7.04249	199	45	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	17.1727	46	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	47	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	48	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	49	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	50	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	51	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	52	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	53	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	54	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	55	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	56	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	57	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	58	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	59	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	60	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	61	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	62	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	63	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	64	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	65	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	66	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	67	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	68	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	69	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	70	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	71	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	72	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	73	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	74	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	75	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	76	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	77	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	78	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	79	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	80	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	81	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	82	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	83	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	84	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	85	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	86	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	87	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	88	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	89	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	90	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	91	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	92	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	93	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	94	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	95	227
FILLER-OXYGEN		PORABLE-SYSTEM	AIR	8.39328	400	96	227
FILL							







HOML AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1959

PART CLASS	222 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART	YR	CROSS OF DATA INDEX
PART DESCRIPTION									REF NO
-20 N.O.C.									
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, CROSS-SEED-SEP			AIR	.82P				65	2590 62734000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, CROSS-SEED-SEP			AIR	1.44P				65	2590 62736000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, CROSS-SEED-SEP			AIR	.15P				65	2590 62738000
FUEL-OR-OIL-SHUTOFF, CROSS-SEED-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, FIREWALL-SHUTOFF			AIR	.1P				65	2590 62740000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, FIREWALL-SHUTOFF			AIR	.12P				65	2590 62742000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, FIREWALL-SHUTOFF			AIR	.21P				65	2590 62744000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, FIREWALL-SHUTOFF			AIR	.16P				65	2590 62746000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, GROUND-TRANSFER			AIR	.08P				65	2590 62748000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, GROUND-TRANSFER			AIR	.1P				65	2590 62750000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, JETTISON			AIR	.04P				65	2590 62752000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, JETTISON			AIR	.1P				65	2590 62754000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-MOTOR-ACTUATION, SHUTOFF-FIREWALL			AIR	.04P				65	2590 62756000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-SOLENOID ACTUATED-ACCEL-LIMITER			AIR	1.23P				65	2590 62758000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-SOLENOID- ACTUATED			AIR	.12P				65	2590 62760000
FUEL-OR-OIL-SHUTOFF, ELECTRIC-SOLENOID- ACTUATED			AIR	.71P				65	2590 62762000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	924 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LINTY	PART POPU- LATION	PART HOURS	YR OF DATA INDEX RPT SIZE REF NO	CROSS
PART DESCRIPTION									
-03 N.O.C.									
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-ACCEL-LIMITER			AIR	.1P				65 2590	62764000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-DRAIN			AIR	.67P				65 2590	62764000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-FUEL-ENRICHMENT			AIR	1.2P				65 2590	62768000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-DRAIN			AIR	.34P				65 2590	62770000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-FUEL-ENRICHMENT			AIR	.63P				65 2590	62772000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-LOW-SPEED-IDLE			AIR	.16P				65 2590	62774000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-OR-SPEED-IDLE			AIR	.18P				65 2590	62776000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-MANIFOLD-DRAIN			AIR	.88P				65 2590	62778000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-MANIFOLD-DRAIN			AIR	.15P				65 2590	62780000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-PARALLELING			AIR	.26P				65 2590	62782000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-PARALLELING			AIR	.06P				65 2590	62784000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-SHUTOFF			AIR	.51P				65 2590	62786000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-SHUTOFF			AIR	.64P				65 2590	62788000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-SHUTOFF			AIR	.72P				65 2590	62790000
FUEL-OR-OIL-SHUTOFF- ELECTRIC-SOLENOID- ACTUATED-SHUTOFF			AIR	.82P				65 2590	62792000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PICT HOURS	YR OF DATA	CROSS REF NO
PART DESCRIPTION									
.00 N.O.C.									
FUEL-OR-OIL-SHUTOFF.			AIR	.11P				65 2590	62794000
FLUID-ACTUATION									
FUEL-OR-OIL-SHUTOFF.			AIR	.48P				65 2590	62794000
FLUID-ACTUATION									
FUEL-OR-OIL-SHUTOFF.			AIR	.62P				65 2590	62794000
FLUID-ACTUATION.									
BALL-CHECK									
FUEL-OR-OIL-SHUTOFF.			AIR	.02F				65 2590	62800000
FLUID-ACTUATION.									
CHECK-BALL									
FUEL-OR-OIL-SHUTOFF.			AIR	.01P				65 2590	62802000
FLUID-ACTUATION.									
CHECK-PRESSURE-L-TO-EDJ									
FUEL-OR-OIL-SHUTOFF.			AIR	.08P				65 2590	62804000
FLUID-ACTUATION.									
FILTER-BY-PASS									
FUEL-OR-OIL-SHUTOFF.			AIR	.24P				65 2590	62804000
FLUID-ACTUATION.									
FILTER-BY-PASS									
FUEL-OR-OIL-SHUTOFF.			AIR	.20P				65 2590	62806000
FLUID-ACTUATION.									
PRESS-RELIEF-VAL-PRESS									
FUEL-OR-OIL-SHUTOFF.			AIR	.08P				65 2590	62811000
FLUID-ACTUATION.									
PRESSURE-RELIEF									
FUEL-OR-OIL-SHUTOFF.			AIR	.22P				65 2590	62812000
FLUID-ACTUATION.									
PRESSURE-RELIEF									
FUEL-OR-OIL-SHUTOFF.			AIR	.23P				65 2590	62814000
FLUID-ACTUATION.									
PRESSURE-RELIEF									
FUEL-OR-OIL-SHUTOFF.			AIR	.31P				65 2590	62816000
FLUID-ACTUATION.									
PRESSURE-RELIEF									
FUEL-OR-OIL-SHUTOFF.			AIR	.04P				65 2590	62818000
FLUID-ACTUATION-CHECK									
FUEL-OR-OIL-SHUTOFF.			AIR	.1P				65 2590	62830000
FLUID-ACTUATION-CHECK									
FUEL-OR-OIL-SHUTOFF.			AIR	.15P				65 2590	62822000
FLUID-ACTUATION-CHECK									
FUEL-OR-OIL-SHUTOFF.			AIR	.16P				65 2590	62824000
FLUID-ACTUATION-CHECK									
FUEL-OR-OIL-SHUTOFF.			AIR	.21P				65 2590	62826000
FLUID-ACTUATION-CHECK									
FUEL-OR-OIL-SHUTOFF.			AIR	.42P				65 2590	62828000
FLUID-ACTUATION-CHECK									

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	VR	CROSS OF DATA INDEX
PART DESCRIPTION								
-00 N.O.C.								
FUEL-OR-OIL-SHUTOFF.			AIR	.64P			65 2500	62836000
FLUID-ACTUATION-CHECK								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.67P			65 2500	62832000
CONT-COMPLEX-ACTUATION.								
TEMPERATURE-DATUM								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	2.37P			65 2500	62834000
CONT-COMPLEX-ACTUATION.								
TEMPERATURE-DATUM								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.08P			65 2500	62834000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.6P			65 2500	62838000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.42P			65 2500	62840000
CONT-MANUAL-OR-MECH.ACT.								
CONDENSATE-DRAIN								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.08P			65 2500	62842000
CONT-MANUAL-OR-MECH.ACT.								
CONDENSATE-DRAIN								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.12P			65 2500	62844000
CONT-MANUAL-OR-MECH.ACT.								
CONDENSATE-DRAIN								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.13P			65 2500	62846000
CONT-MANUAL-OR-MECH.ACT.								
CONDENSATE-DRAIN								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.08P			65 2500	62848000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.21P			65 2500	62850000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.08P			65 2500	62852000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.1P			65 2500	62854000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.03P			65 2500	62856000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.06P			65 2500	62858000
CONT-MANUAL-OR-MECH.ACT.								
FUEL-OR-OIL-SHUTOFF-OR-			AIR	.59P			65 2500	62860000
CONT-MANUAL-OR-MECH.ACT.								

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION HOURS	YR OF DATA INDEX	CROSS RPT SACE REF NO
PART DESCRIPTION									
CG N.O.C.									
FUEL-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION	DUAL-FLOAT-TANK-FILLER	AIR	.64P	65	2590	62862000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	.89P	65	2590	62864000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	1.58P	65	2590	62866000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	1.07P	65	2590	62868000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	.1P	65	2590	62870000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	.06P	65	2590	62872000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	.13P	65	2590	62874000			
FUEL-OR-OIL-SHUTOFF-OR-CONTROL-COMPLEX-ACTUATION		AIR	.9P	65	2590	62876000			
MECHANICAL-ACTUATION									
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	60P	66	2361	62878000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	60P	66	2362	62880000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	80P	66	2363	62882000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	80P	65	2362	62884000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	120P	66	2362	62886000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	170P	66	2364	62888000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	230P	65	2364	62890000			
FUEL-P-AND-D	ENGINE-FUEL-AND-CONTROL-707-131	AIR	170P	66	2364	62892000			
CABIN-OUTFLOW-MANUAL									
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	50P	66	2364	62894000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	100.371	63	2111	62896000	.538		
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	30P	65	2361	62898000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	30P	66	2361	62900000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	30P	66	2361	62902000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	40P	55	2362	62904000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	130P	66	2362	62906000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	140P	66	2362	62908000			
FUEL-PRESSURE-DUMP	ENGINE-FUEL-AND-CONTROL-707-331B	AIR	1673.69	63	2120	62910000	.190		
FUEL-SHUTOFF-MANUAL	FUEL-707-131	AIR	40P	66	2364	62912000			
FUEL-SHUTOFF-MANUAL	FUEL-707-131	AIR	40P	66	2361	62914000			
FUEL-SHUTOFF-1-1-2	FUEL-707-131B	AIR	30P	66	2364	62916000			



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	625 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART LATION	YR OF DATA	CROSS INDEX
PART DESCRIPTION									
HYDRAULIC-D-C-MOTOR	FLIGHT-CONTROLS-707-131B	AIR	10P			65	2362	62992000	
HYDRAULIC-D-C-MOTOR	FLIGHT-CONTROLS-707-131B	AIR	20P			66	2362	62992000	
HYDRAULIC-D-C-MOTOR	FLIGHT-CONTROLS-707-131B	AIR	40P			66	2362	62992000	
HYDRAULIC-D-C-MOTOR	FLIGHT-CONTROLS-707-131	AIR	60P			66	2362	62992000	
HYDRAULIC-D-C-MOTOR	FLIGHT-CONTROLS-707-131	AIR	80P			66	2362	63000000	
HYDRAULIC-D-C-MOTOR	FLIGHT-CONTROLS-707-131	AIR	170P			66	2362	63002000	
HYDRAULIC-MOTOR-FLAP-BYPASS	FLIGHT-CONTROLS-727	AIR	80P			66	2360	63004000	
HYDRAULIC-TRANSE	FLIGHT-CONTROLS-727	AIR	50P			66	2360	63006000	
HYDRAULIC-TRANSE	FLIGHT-CONTROLS-727	AIR	250P			65	2360	63008000	
FLC-BUOST-PUMP	FLIGHT-CONTROLS-727	GND	10000C	14583C	32	65	1207	63010000	
		GND	2000C	7779.4C	50	66	1245	6302000A	
IGNITION SEQUENCE-SPRING-LOADED-NC-HEATER-FUEL	AIR-7-7-331	AIR	30P			66	2361	63014000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-331	AIR	30P			66	2361	63016000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	330P			65	2361	63018000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	33 P			66	2361	63020000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	51 P			66	2361	63022000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-331	AIR	40P			66	2362	63024000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-331	AIR	40P			66	2364	63026000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-331	AIR	130P			65	2362	63028000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	410P			65	2364	63030000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	510P			66	2364	63032000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	510P			66	2367	63034000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	510P			65	2362	63036000	
INL-VANI-NUSL-DE-ICE	AIR-7-7-131	AIR	560P			66	2362	63038000	
INTERCONNECTING		AIR	890P			66	2364	63040000	
INLS-MIXING-AIR-4-INCH-MOTOR-ACTUATOR		GND	*	1621.54C		66	2MS1	63142000	
		GND	2000C	7779.4C	23	66	1245	63044000A	
INLS-MIXING-MOTOR-ACTUATED-4-INCH-AIR		GND	8339.33C	15457.8C	17	66	1245	63046000A	
INLS-MIXING		GND	2173.91C	7455.86C		66	2MS1	63048000	
ISOLATION		GND	8771.92C	16271.4C		66	2MS1	63050000	
LANDING-GEAR-ACTUATOR-SEQUENCE	LANDING-GEAR-707-131	AIR	595			62	2231	63052000	
		AIR	400	496.702		63	2121	63054000	
LANDING-GEAR-ACTUATOR-SEQUENCE	LANDING-GEAR-707-331	AIR	230P			66	2362	63056000	
LANDING-GEAR-ACTUATOR-SEQUENCE	LANDING-GEAR-707-131B	AIR	310P			66	2362	63058000	
LANDING-GEAR-ACTUATOR-SEQUENCE	LANDING-GEAR-707-131B	AIR	130P			65	2361	63060000	
LANDING-GEAR-ACTUATOR-SEQUENCE	LANDING-GEAR-707-131B	AIR	260P			66	2364	63062000	
LANDING-GEAR-ACTUATOR-SEQUENCE	LANDING-GEAR-707-331	AIR	530P			66	2361	63064000	

PART CLASS	625 VALVES	UC	N.O.C.	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LTV	PART POPULATION	PART HOURS	VR OF DATA	CROSS INDEX REF NO
LANDING-GEAR-SEL-SOLENOID				LANDING-GEAR-707-1310	AIR	700P		65	2330	430668000	
LANDING-GEAR-SELECTOR				WATER-WASTE-727	AIR	130P		65	2304	630680000	
LABORATORY-WATER-DRAIN				WATER-WASTE-727	AIR	220P		65	2363	630700000	
LABORATORY-WATER-DRAIN					AIR	240P		65	2303	630720000	
LINE-1/4-X-1/4-INCH					GRD	190491	772072	603	5.830	630740000	
LINE-1/4-X-1/4-INCH					GRD	330583	154414	300	2.519	630760000	
LINE-7/8X7/8					GRD	258398	100509		3.87	630780000	
LINE-1/4X1/4						307477	862885		7.7424	630800000	
LIQUID-OXYGEN-FILL-AND-DRAIN				PREPULSION	LAD		6578.05C	34	0.0033C	630820000	
LIQUID-OXYGEN-FILL-AND-DRAIN				PROPULSION	LAD	7672.3C	29920.7C	5	0.0013C	630840000	
LIQUID-OXYGEN-TANK-RELIEF-AND-SHUTOFF (BOIL OFF)				PRESSURIZATION	LAD	7017.54C	14023.7C	37	0.00057C	630860000	
LO-P-OXYGEN-TEST-CONN				OXYGEN-707-331	AIR	150P			65	2364	630880000
LO-PRESSURE-OXYGEN-TEST-CONN				OXYGEN-707-131	AIR	110P			65	2362	630900000
LOAD-CONTROL-APU				AIRBORNE-AUXILIARY-POWER-727	AIR	190P			65	2360	630920000
LOAD-CONTROL-APU				AIRBORNE-AUXILIARY-POWER-727	AIR	300P			65	2360	630940000
LOAD-CTL-APU				AIRBORNE-AUXILIARY-POWER-727	AIR	210P			65	2365	630960000
LOAD-CTL-APU				AIRBORNE-AUXILIARY-POWER-727	AIR	210P			65	2365	630980000
LOAD-CTL-AUXILIARY-POWER-UNIT				AIRBORNE-AUXILIARY-POWER-727	AIR	68 P			65	2363	631000000
LOAD-CTL-AUXILIARY-POWER-UNIT				AIRBORNE-AUXILIARY-POWER-727	AIR	220P			65	2363	631020000
LOAD-CTL-AUXILIARY-POWER-UNIT				AIRBORNE-AUXILIARY-POWER-727	AIR	710P			65	2363	631040000
LOAD-CTL-AUXILIARY-POWER-UNIT				SINGLE-POINT-REFUELING LANDING-GEAR-707-131B	AIR	74.9216 60P	252.4	100	0.02107	631060000	
LOCKOUT-DEH.				LANDING-GEAR-707-331B	AIR	70P			65	2361	631080000
LOCKOUT-DEH.				LANDING-GEAR-707-131B	AIR	120P			65	2361	631100000
LOCKOUT-DEH.				LANDING-GEAR-707-131B	AIR	130P			65	2361	631120000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	480P			65	2360	631140000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	250P			65	2365	631160000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	1666.29C	9CC0.73C		0.08887C	631180000	
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	8235.29C	15848.1C		0.05083C	631200000	
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	1594.6C	20238.7C		0.0463C	631220000	
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631240000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631260000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631280000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631300000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631320000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631340000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631360000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631380000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500P			65	2365	631400000
LOCKOUT-DEH.				LANDING-GEAR-331C/373C	AIR	500					



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 3 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS	VALVES	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART CATION	YR OF DATA	INDEX
								RPT	SCCE REF
MAIN	CABIN-SLAVE-LH-331C	MAIN-CABIN-SLAVE-LH-331C	AIR-CONDITIONING-707-131B	AIR	240P			66	2362 63120000
MAIN	CABIN-SLAVE-RH	MAIN-CABIN-SLAVE-RH	AIR-CONDITIONING-707-131B	AIR	110P			66	2361 63130000
MAIN	CABIN-SLAVE-LH	MAIN-CABIN-SLAVE-LH	AIR-CONDITIONING-707-131B	AIR	130P			65	2361 63132000
MAIN	CABIN-SLAVE-RH	MAIN-CABIN-SLAVE-RH	AIR-CONDITIONING-707-131B	AIR	220P			66	2361 63134000
MAIN	CABIN-SLAVE-LH	MAIN-CABIN-SLAVE-LH	AIR-CONDITIONING-707-131B	AIR	301P			65	2362 63136000
MAIN	CABIN-SLAVE-RH	MAIN-CABIN-SLAVE-RH	AIR-CONDITIONING-707-131B	AIR	240P			66	2362 63138000
MAIN	CABIN-SLAVE-LH	MAIN-CABIN-SLAVE-LH	AIR-CONDITIONING-707-131B	AIR	131P			65	2361 63140000
MAIN	CABIN-SLAVE-RH	MAIN-CABIN-SLAVE-RH	AIR-CONDITIONING-707-131B	AIR	150P			66	2362 63142000
MAIN	CABIN-SLAVE-LH	MAIN-CABIN-SLAVE-LH	AIR-CONDITIONING-707-131B	AIR	540P			65	2363 63144000
MAIN	CABIN-SLAVE-RH	MAIN-CABIN-SLAVE-RH	AIR-CONDITIONING-707-131B	AIR	490P			65	2365 63146000
MAIN	CABIN-TEMPERATURE	MAIN-CABIN-TEMPERATURE	AIR-CONDITIONING-331C/371C	GRD	4054.05C	9528.1C	.00074C	66	2451 63148000
MAIN	CARGO-DOOR-SEC	MAIN-CARGO-DOOR-SEC	HYDRAULIC-POWER-371C/371C	AIR	60P			66	2361 63150000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-131B	AIR	112P			66	2361 63152000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-131B	AIR	130P			65	2361 63154000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-131B	AIR	260P			66	2361 63156000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-131B	AIR	70P			65	2364 63158000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-131B	AIR	70P			66	2364 63160000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-131B	AIR	80P			65	2362 63162000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-131B	AIR	100P			66	2364 63164000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-131B	AIR	110P			66	2364 63166000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-131B	AIR	130P			66	2362 63168000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-131B	AIR	150P			75	2362 63170000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-131B	AIR	170P			66	2364 63172000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-131B	AIR	510P			65	2362 63174000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-727	AIR	780P			66	2366 63176000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-727	AIR	100P			66	2365 63178000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	LANDING-GEAR-707-331	AIR	260P			66	2361 63180000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	LANDING-GEAR-707-331	GRD	530C	8776.75C	.00120C	66	2361 63182000
MAIN	LANDING-GEAR	MAIN-LANDING-GEAR	(STORAGE)	MSL	100P			66	2361 63184000
MAIN	LANDING-GEAR-DOOR	MAIN-LANDING-GEAR-DOOR	(STORAGE)	MSL	.0001			65	2440 63186000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	924 VALVES	FUNCTIONAL APPLICATION		ENVIRONMENT		FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION										RPT SRCE	REF NO
MANUAL-OPER		FUEL-DISTRIBUTION		AIR		0	94.4641	62	0.2387	63	1111 63100000
MANUAL-OPER-OXYGEN		FUEL-SYSTEM		AIR		60.1529	101.15	100	0.1637	65	1198 63190000
MANUAL-OPER-OXYGEN		FUEL-SYSTEM		AIR		66.6666	259.313	68	0.15	65	1114 63192000
MANUAL-OPER-TOGGLE-LATCH-PL FUELING				AIR		0	192.847	31	0.1194	63	1111 63194000
MANUAL-SHUT-OFF		FUEL-7-7-131B		AIR		30P				64	2362 63195000
MANUAL-SHUT-OFF		FUEL-7-7-131B		AIR		40P				66	2362 63198000
MANUAL-SHUT-OFF		FUEL-7-7-131		AIR		60P				66	2362 63200000
MANUAL-SHUT-OFF		FUEL-7-7-131		AIR		80P				66	2362 63200000
MANUAL-SHUT-OFF				AIR		5.6				65	219 63204000
MANUAL-SHUT-OFF		FUEL-7-7-131B		AIR		3.4				65	2364 63206000
MANUAL-SHUT-OFF		FUEL-7-7-131B		AIR		30P				65	2361 63208000
MANUAL-SHUT-OFF		FUEL-7-7-131		AIR		60P				65	2364 63210000
MANUAL-SHUT-OFF		FUEL-7-7-131		AIR		70P				65	2361 63212000
MANUAL-SHUT-OFF		FUEL-7-7-131		AIR		70P				65	2361 63214000
MANUAL-SHUT-OFF		AIR-CONDITIONING-707-331B		AIR		140P				65	2361 63216000
MCAB-SLAVE-RM-31C		AIR-CONDITIONING-707-331		AIR		340P				64	2364 63218000
MCAB-SLAVE-RM-31C		AIR-CONDITIONING-707-331		AIR		340P				66	2366 63220000
MCAB-TEMPERATURE-CONTROL		HYDRAULIC-BRAKE		AIR		50P				66	2366 63220000
METERING		BRAKE-LANDING-GEAR-MAIN		GRD		111.111	432.186	32	0.69	59	1110 63220000
METERING		SPECIER-CONTROL		AIR		153.588	231.753	106	0.7162	63	1111 63224000
METERING-FUEL		POWER-UNIT		GRD		628.272	802.41	124	0.4775	63	1111 63228000
MIXING-AIR		CABIN/COLLECT-AIR-CONDITION		GRD		253.164	473.708		0.079	62	1135 63228000
MIXING-AIR-TEMPERATURE		PRESSURE-SUIT		AIR		5.29007	11.7806	150	0.5671	65	1196 63230000
MIXING-AIR-TEMPERATURE		PRESSURE-SUIT		AIR		40.1427	63.363		0.242	66	1263 63232000
MIXING-AIR-TEMPERATURE		CABIN		AIR		75.8722	125.739		0.10016	66	1261 63234000
MODULATING		AIR-CONDITIONING-CABIN		AIR		1647.36	1824.19		0.10016	66	1261 63236000
MODULATING		AIR-CONDITIONING-CABIN		AIR		7.72364	15.4348	597	0.51789	67	1272 63238000
MODULATING		AIR-CONDITIONING-CABIN		AIR		17.5024	46.5745	473	0.11421	44	1228 63240000
MODULATING		WING-ANTI-ICE-SYSTEM		AIR		22.8154	40.7152	406	0.00766	64	1179 63242000
MODULATING		WING-ANTI-ICE-SYSTEM		AIR		121.359	166.911	200	0.14832	65	1227 63244000
MODULATING		FLOOR-HEAT-SYSTEM		AIR		29.659	164.273	456	0.2468	66	1250 63246000
MODULATING		FLOOR-HEAT-SYSTEM		AIR		819.061	1094.05	48	0.02472	65	1277 63248000
MODULATING		AIR-CONDITIONING		AIR		85.96	1066.65	76	0.04113	65	1250 63250000
MODULATING-SHUT-OFF				AIR		0	192.847	31	0.1194	63	1111 63252000
MODULATING-SHUT-OFF				GRD		150000	26330.20	9	0.00404	66	1245 63254000
1/2-INCH-662		AIRBORNE-AUXILIARY-POWER-727		AIR		190P				66	2360 63254000
MOTOR-DRIVEN				AIR		200				61	212 63258000
MULTI-APPLICATION				GRD		158.8070	529.0550		0.10040	66	2451 63260000
MULTI-APPLICATION				GRD		337.6950	548.5310		0.02360	66	2451 63260000
MULTI-APPLICATION				GRD		20689.60	36317.50		0.00020	66	2451 63264000
NOSE-GEAR-STEERING-METERING		LANDING-GEAR-747		AIR		180P				66	2360 63266000
NOSE-LANDING-GEAR-STEERING-METERING		LANDING-GEAR-707-331		AIR		260P				66	2361 63268000
NOSE-LANDING-GEAR-STEERING-METERING		LANDING-GEAR-707-131		AIR		230P				66	2362 63270000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, MS.  
SECTION 1  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 92 VALVES

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LMTY	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
OUTFLOW	AIR-CONDITIONING-707-131	AIR	220P				66	2364 83344000
OUTFLOW	AIR-CONDITIONING-707-331	AIR	220P				64	2364 83344000
OUTFLOW	AIR-CONDITIONING-707-131B	AIR	220P				66	2364 83344000
OUTFLOW	AIR-CONDITIONING-707-331	AIR	230P				64	2362 83350000
OUTFLOW	AIR-CONDITIONING-707-131B	AIR	240P				66	2361 83352000
OUTFLOW	AIR-CONDITIONING-707-131B	AIR	270P				65	2362 83354000
OUTFLOW	AIR-CONDITIONING-707-131B	AIR	280P				65	2364 83356000
OUTFLOW	AIR-CONDITIONING-707-131	AIR	370P				66	2361 83358000
OUTFLOW	AIR-CONDITIONING-707-331	AIR	370P				66	2361 83360000
OUTFLOW	AIR-CONDITIONING-88C	AIR	380P				66	2360 83362000
OUTFLOW	AIR-CONDITIONING-707-331B	AIR	420P				65	2364 83364000
OUTFLOW	CABIN-PRESSURE	AIR	420P				65	2364 83364000
OUTFLOW	AIR-CONDITIONING-88C	AIR	420-571	752-282	48	2014	59	1110 83366000
OUTFLOW	AIR-CONDITIONING-331C/373C	AIR	430P				66	2360 83368000
OUTFLOW	AIR-CONDITIONING-707-531	AIR	500P				66	2365 83370000
OUTFLOW	AIR-CONDITIONING-331C/373C	AIR	510P				65	2364 83372000
OUTFLOW	AIR-CONDITIONING-707-331	AIR	510P				66	2363 83374000
OUTFLOW	AIR-CONDITIONING-88C	AIR	570P				66	2362 83376000
OUTFLOW	AIR-CONDITIONING-88C	AIR	530P				66	2362 83378000
OUTFLOW	PRESSURIZATION-AIR-CONDITIONER	AIR	566-639	839-94	43	02117	63	1144 83380000
OUTFLOW	PRESSURIZATION-AIR-CONDITIONER	AIR	6-1-550	724-365	50	08478	63	1198 83382000
OUTFLOW	AIR-CONDITIONING-88C	AIR	626-666	760-073	50	075	63	1114 83384000
OUTFLOW	AIR-CONDITIONING-88C	AIR	630P				65	2360 83386000
OUTFLOW	PRESSURIZATION-AIR-CONDITIONER	AIR	720P				61	2363 83388000
OUTFLOW	AIR-CONDITIONING-707-131	AIR	740-682	848-318	50	12691	65	1198 83390000
OUTFLOW	PRESSURIZATION-AIR-CONDITIONER	AIR	820P				65	2364 83392000
OUTFLOW	AIR-CONDITIONING-88C	AIR	852-272	992-778	102	088	63	1114 83394000
OUTFLOW	AIR-CONDITIONING-88C	AIR	960P				64	2363 83396000
OUTFLOW	AIR-CONDITIONING-331C/373C	AIR	1000P				66	2360 83398000
OUTFLOW	AIR-CONDITIONING-88C	AIR	1266-89	1798-34		01184	66	2132 83400000
OUTFLOW	AIR-CONDITIONING-331C/373C	AIR	1270P				66	2365 83402000
OUTFLOW	AIR-CONDITIONING-88C	AIR	1280P				65	2360 83404000
OUTFLOW	AIR-CONDITIONING-88C	AIR	1390P				65	2363 83406000
OUTFLOW	AIR-CONDITIONING-331C/373C	AIR	1410P				66	2363 83408000
OUTFLOW/SAFETY	PRESSURIZATION-AIR-CONDITIONER	AIR	1920P				66	2360 83410000
OUTFLOW/SAFETY	AIR-CONDITIONING	AIR	21-2265	78-6751	96	04944	65	1227 83412000
OUTFLOW/SAFETY	PRESSURIZATION	AIR	36-4697	81-2156	152	08226	66	1290 83414000
OUTLET	AIR-CONDITIONER-FLIGHT-DECK	AIR	25-974	65-1207	340	077	63	1114 83416000
OVERGUARD-DRAIN	AIR-CONDITIONER-FLIGHT-DECK	AIR	37-0097	50-3905	500	58186	65	1198 83418000
OVERGUARD-MANUAL	AFTERBURNER	AIR	6	46-3393		04969	63	1123 83420000
OXIDIZER	AIR	AIR	63-0318	167-737	61	03173	64	1144 83422000
OXYGEN	THURST-CHAMBER	SIM MSL	0	11-136		00020	62	1089 83424000
OXYGEN	DISCHARGE-OVERBOARD-FIXED-SYSTEM	AIR	23-7198	57-4096	100	11637	65	1198 83426000
OXYGEN	DISCHARGE-OVERBOARD-FIXED-SYSTEM	AIR	133-333	350-82	68	015	63	1114 83428000
OXYGEN	CONVERTER-VENT-AND-BUILD-UP	AIR	638-886	845-925	93	036	63	1111 83430000



ROM AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

MECHANISTIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 924 VALVES

PART DESCRIPTION FUNCTIONAL APPLICATION

400 M.O.C.

FAILURE RATE ENVIRONMENT

UPPER

NO COMF  
LIMIT

POPUL  
LATION

PART  
HOURS

YR

DATA INDEX  
REF NO

CROSS

PILOT-FLOAT-FUEL	FUEL-707-1318	AIR	10P	66	2361	63510000
PILOT-FLOAT-FUEL	FUEL-707-3308	AIR	20P	66	2361	63512000
PILOT-FLOAT-FUEL	FUEL-707-3318	AIR	20P	66	2361	63514000
PILOT-FLOAT-FUEL	FUEL-707-131	AIR	30P	66	2361	63516000
PILOT-FLOAT-FUEL	FUEL-707-1318	AIR	30P	66	2361	63518000
PILOT-FLOAT-FUEL	FUEL-707-331	AIR	40P	66	2361	63520000
PILOT-FLOAT-FUEL	FUEL-707-331	AIR	40P	66	2361	63522000
PILOT-FLOAT-FUEL	FUEL-707-131	AIR	60P	66	2361	63524000
PILOT-FLOAT-FUEL	FUEL-727	AIR	70P	66	2361	63526000
PILOT-FLOAT-FUEL	FUEL-707-331	AIR	70P	66	2361	63528000
PILOT-FLOAT-FUEL	FUEL-727	AIR	80P	66	2361	63530000
PILOT-FLOAT-FUEL	FUEL-707-331	AIR	80P	66	2361	63532000
PNEUMATIC-MOD-AND-SO	AIR-CONDITIONING-727	AIR	120P	66	2361	63534000
PNEUMATIC-MOD-AND-SO	AIR-CONDITIONING-727	AIR	300P	66	2361	63536000
PNEUMATIC-MOD-AND-SO	AIR-CONDITIONING-727	AIR	460P	66	2361	63538000
PNEUMATIC-MOD-AND-SO	AIR-CONDITIONING-727	AIR	130P	66	2361	63540000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	50P	66	2361	63542000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	50P	66	2361	63544000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	300P	66	2361	63546000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	300P	66	2361	63548000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	300P	66	2361	63550000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	400P	66	2361	63552000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	500P	66	2361	63554000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	610P	66	2361	63556000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	680P	66	2361	63558000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	680P	66	2361	63560000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	700P	66	2361	63562000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	500P	66	2361	63564000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	620P	66	2361	63566000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	680P	66	2361	63568000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	680P	66	2361	63570000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	770P	66	2361	63572000
PNEUMATIC-STARTER-SHUT-OFF	STARTING-707-331	AIR	910P	66	2361	63574000
POCKET-PNEUMATIC-OVERRIDE	FUEL-DRAIN/FILL	GRD	7142-85C	66	1245	63576000
POCKET-PNEUMATIC-OVERRIDE	LOX-DRAIN/FILL	GRD	27333-3C	66	1245	63578000
SAFETY-OVER-PRESSURE		GRD	11513C	66	1245	63580000
PRE-COOLING		GRD	11513C	66	1245	63582000
PRE-COOLING		GRD	25931-3C	66	1245	63584000
PRE-COOLING		GRD	32414-1C	66	1245	63586000
PRE-COOLING		GRD	19440-5C	66	1245	63588000
PRESS-AND-DRAIN	ENGINE-FUEL-AND-CONTROL-880	AIR	40P	66	2361	63590000
PRESS-AND-DRAIN	ENGINE-FUEL-AND-CONTROL-880	AIR	40P	66	2361	63592000
PRESS-AND-DRAIN	ENGINE-FUEL-AND-CONTROL-880	AIR	140P	66	2361	63594000
PRESS-AND-DRAIN	ENGINE-FUEL-AND-CONTROL-880	AIR	140P	66	2361	63596000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA  
 NONELECTRONIC PART FAILURE RATE DATA  
 JANUARY 1968

PART CLASS	QTY VALVES	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95% LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART CLASS	QTY VALVES	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95% LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PRESS-AND-DRAIN		ENGINE-FUEL-AND-CONTROL-880	ENGINE-FUEL-AND-CONTROL-880	AIR	19.2P				66	2363 63598000
PRESS-AND-DRAIN		ICE-ANTI-RAIN-PROTECTION-880	ICE-ANTI-RAIN-PROTECTION-880	AIR	20.2P				65	2363 63600000
PRESS-DIFF-REG-LE-ANTI-ICE		ICE-ANTI-RAIN-PROTECTION-880	ICE-ANTI-RAIN-PROTECTION-880	AIR	15.2P				66	2363 63607000
PRESS-DIFF-REG-LE-ANTI-ICE		ICE-ANTI-RAIN-PROTECTION-880	ICE-ANTI-RAIN-PROTECTION-880	AIR	21.2P				65	2363 63604 00
PRESS-DIFF-REG-LE-ANTI-ICE		ICE-ANTI-RAIN-PROTECTION-880	ICE-ANTI-RAIN-PROTECTION-880	AIR	33.2P				66	2363 63606000
PRESS-DIFF-REG-LE-ANTI-ICE		ICE-ANTI-RAIN-PROTECTION-880	ICE-ANTI-RAIN-PROTECTION-880	AIR	33.2P				66	2363 63608000
PRESS-DIFF-REG-LE-ANTI-ICE		ICE-ANTI-RAIN-PROTECTION-880	ICE-ANTI-RAIN-PROTECTION-880	AIR	48.2P				65	2363 63610000
PRESSURE		HEAT-ENGINE-VENT	HEAT-ENGINE-VENT	AIR		13.9975	304	.1645	66	2363 63612000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR		460.52	60	.025	61	1250 63614000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	1.4712	40.7298	248	.0955	63	1111 63616000
PRESSURE		OXYGEN-SYSTEM	OXYGEN-SYSTEM	AIR	25.7397	41.7315		.538	63	2113 63620000
PRESSURE		FUELING/TRANSFER	FUELING/TRANSFER	AIR	64.8248	109.01	63	.10798	65	1153 63622000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	73.6842	115.934		.190	63	2129 63624000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	74.7656	111.835	366	.19039	64	1144 63626000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	1.4712	40.7298	248	.0955	63	2121 63628000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	12.429	186.37		.108	63	2106 63630000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	236.363	344.69	320	.054	61	1080 63632000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	261.606	406.450	93	.024	63	1111 63634000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	19.0515	40.1971	62	.1667	66	1241 63636000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	4.453	80.8404	192	.05888	65	1227 63638000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	28.1293	74.8565	126	.0711	64	1144 63640000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	MSL		10.1894		.226C	62	1136 63642000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	22.9357	33.4473	500	.3678	66	1277 63644000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	7.5343	18.7702	75	.28355	65	1195 63646000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	330.831	38.350	150	.38072	65	1198 63648000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	426.415	482.566	306	.265	63	1114 63650000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	432.491	490.28	150	.25434	63	1198 63652000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	453.333	516.451	150	.225	63	1114 63654000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	1178.43	1981.63		.00594	62	2327 63656000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	31.5789	55.4321		.190	63	2121 63658000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR					63	212 63660000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	20.2265	53.8250	192	.09888	65	1227 63662000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	3.3951	56.3811	304	.1645	66	1250 63664000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	46.8107	92.3958		.10038	63	1123 63666000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	55.5555	216.094	64	.018	59	1110 63668000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	89.2857	165.619		.036	61	1082 63670000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	119.09	191.492	320	.035	61	1080 63672000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR					65	2330 63674000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	8.59328	33.4252	100	.11637	65	1198 63676000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR	36.996	79.9275		.10001	66	1241 63678000
PRESSURE		ENGINE-OIL-VENT	ENGINE-OIL-VENT	AIR		193.821		.01188	62	2320 63680000

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SNGE REF NO	
00 N.O.C.									
PRESSURE-REGULATOR-		AIR-CONCENTRIC-ING-SYSTEM	AIR GND	84.175	327.415		.01188	62	2320 63666000
DUAL-SCHEDULE		HYDRAULIC-POWER.707-331	AIR	26CP				66	2361 63688000
PRESSURE-RELIEF		ARRESTING-GEAR	AIR	20.1247	78.2793		.04969	63	1123 63690000A
PRESSURE-SEQUENCE			AIR SHP GRD 2"					58	212 63692000
PRESSURIZATION			GRD		10466.3C		.00022C	66	2MS1 63694000
PRESSURIZATION-CONTROL			GRD	7278.16C	8496.11C		.01003C	66	2MS1 63696000
PRESSURIZING		FUEL-SYSTEM	AIR		13.975	303	.1445	66	1250 63698000
PRESSURIZING		OIL-TANK	AIR		27.1885	180	.08469	64	1144 63700000
PRESSURIZING		FUEL-SYSTEM	AIR		23.2868	192	.09888	65	1227 63702000
PRESSURIZING		OIL-TANK	AIR	6.44496	14.3524	400	.46548	65	1198 63704000
PRESSURIZING		OIL-TANK	AIR	45.3085	59.9911	200	.50763	65	1198 63706000
PRESSURIZING		OIL-TANK	AIR	70.8215	92.6662	408	.353	63	1114 63708000
PRESSURIZING		OIL-TANK	AIR	73.7202	96.459	200	.33912	63	1198 63710000
PRESSURIZING		OIL-TANK	AIR	76.923	101.85	200	.299	63	1114 63712000
PRESSURIZING		M2 2-TANK	GRD	6363.63C	1C700.8C	35	.0011C	65	1171 63714000
PRIMER		OIL-SYSTEM.GAS-TURBINE-COMPRESSOR.	AIR	22.7372	6C.4806	102	.088	63	1114 63716000
		AUXILIARY-POWER-PLANT							
PRIMER		OIL-SYSTEM.GAS-TURBINE-COMPRESSOR.	AIR	34.3731	68.6908	100	.11637	65	1198 63718000
		AUXILIARY-POWER-PLANT							
PRIMER		OIL-SYSTEM.GAS-TURBINE-COMPRESSOR.	AIR	39.3979	73.0809	50	.12691	65	1198 63720000
		AUXILIARY-POWER-PLANT							
PRIMER		HYDRAULIC-POWER-SUPPLY	AIR	47.1809	94.2857	50	.08478	63	1198 63722000
PRIMER		HYDRAULIC-POWER-SUPPLY	AIR	53.3333	106.58	50	.075	63	1114 63724000
PRIMER		OIL-SYSTEM.GAS-TURBINE-COMPRESSOR.	AIR	283.085	372.935	50	.08478	63	1198 63726000
		AUXILIARY-POWER-PLANT							
PRIMER		OIL-SYSTEM.GAS-TURBINE-COMPRESSOR.	AIR	293.333	350.936	50	.075	63	1114 63728000
		AUXILIARY-POWER-PLANT							
PRIORITY			LAB	10.3				63	1198 63730000
PRIORITY				10.3				62	201 63732000
PRIORITY			AIR	148				57	211 63734000
PRIORITY		HYDRAULIC-POWER-SUPPLY	AIR	176.928	251.148	50	.08478	63	1198 63736000
PRIORITY		HYDRAULIC-POWER-SUPPLY	AIR	186.666	268.373	50	.075	63	1114 63738000
PRIORITY		HYDRAULIC-SYSTEM	AIR	920	1218.13	94	.025	66	1225 63740000
PURGE-CONTROL			GRD		2530.32C		.00091C	66	2MS1 63742000
PURGE-LOCK/BOX			GRD	1058.2C	2816.03C		.00189C	66	2MS1 63744000
PURGE/CHARGING-REFRIGERANT				.00347	.001349		2884.4	62	2339 63746000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS	AIR	120P				66	2361 63748000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS	AIR	130P				65	2361 63750000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS.707-131P	AIR	130P				66	2364 63752000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS.707-131B	AIR	160P				65	2362 63754000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS	AIR	260P				65	2361 63756000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS.707-331	AIR	310P				66	2364 63758000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS.707-331	AIR	310P				65	2364 63760000
U-SPRING-LOCKOUT		FLIGHT-CONTROLS.707-331	AIR	340P				66	2362 63762000



HOPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1966

PART CLASS 925 VALVES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART

76PU- LATION HOURS

YR OF DATA INDEX

CROSS RPT SRCE REF NO

00 N.O.C.

Q-SPRINK-LOCKOUT	FLIGHT-CONTROLS-707-131	AIR	55CP	65	2364	63760000
Q-SPRINK-LOCKOUT	FLIGHT-CONTROLS-707-331	AIR	67CP	66	2364	63760000
RAIN-CLEAR	ICE-AND-RAIN-PROTECTION-880	AIR	160P	65	2360	63768000
RAIN-CLEAR	ICE-AND-RAIN-PROTECTION-880	AIR	330P	66	2363	63770000
RAIN-CLEAR	AIR-CONDITIONING-SYSTEM	AIR	561.818	61	1080	63772000A
RAIN-AIR		AIR	192.847	63	1111	63774000
RAIN-AIR		AIR	126.315	63	1111	63776000
RAM-AIR-PRESSURE		AIR	873.884	63	2126	63776000
RECIRCULATING	CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	967.16	63	2120	63780000
RECIRCULATING	CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	13.9975	66	1250	63780000
RECIRCULATING	AIR-PR-REG-AIR-CONDITION-CARGO	AIR	23.2888	65	1227	63782000
RECIRCULATING	AIR-PR-REG-AIR-CONDITION-CARGO	AIR	365.652	63	1198	63784000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	386.666	63	1114	63786000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	93.1472	63	1114	63786000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	55.9834	63	1114	63786000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	27.9917	66	1250	63790000A
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	46.5736	65	1227	63792000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	17.1865	65	1198	63796000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	26.6666	63	1114	63798000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	58.9761	63	1198	63800000
REDUCING	DOOR-HYDRAULIC-CARGO-HAMP	AIR	66.6666	63	1114	63802000
REFUEL	FUEL-880	AIR	111.111	63	1111	63804000
REFUEL	FUEL-880	AIR	314.285	61	1080	63808000A
REFUEL	FUEL-880	AIR	474.232	66	2360	63810000
REFUEL	FUEL-880	AIR	46.2219	66	2363	63812000
REFUEL	FUEL-880	AIR	2.87286	63	1111	63814000
REFUEL	FUEL-880	AIR	5.90981	63	1114	63816000
REFUEL	FUEL-880	AIR	13.1637	65	1198	63820000
REFUEL	FUEL-880	AIR	32.7604	58	212	63822000
REFUEL	FUEL-880	AIR	17.1865	59	212	63824000
REFUEL	FUEL-880	AIR	93.6454	65	1198	63826000
REFUEL	FUEL-880	AIR	94.3618	63	1114	63828000
REFUEL	FUEL-880	AIR	103.775	63	1198	63830000
REFUEL	FUEL-880	AIR	233.858	65	1228	63832000
REFUEL	FUEL-880	AIR	287.987	64	1179	63834000
REFUEL	FUEL-880	AIR	586.05	61	1080	63836000A
REFUEL	FUEL-880	AIR	918.836	66	1240	63838000A
REFUEL	FUEL-880	AIR	51.7241	59	1070	63840000
REFUEL	FUEL-880	AIR	438.257	65	1198	63842000
REFUEL	FUEL-880	AIR	43.4782	59	1070	63844000
REFUEL	FUEL-880	AIR	18.8679	59	1070	63846000
REFUEL	FUEL-880	AIR	72.3641	65	1198	63848000
REFUEL	FUEL-880	AIR	1417.73	66	1241	63850000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	UPPER 90 CONF LIMIT	PART POPULATION	PART TAYLOR HOURS	VA OF DATA RPT SACE REF NO	CROSS INDEX
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT			
REGULATING PRESSURE						
REGULATING PRESSURE	SUCTION-PUMP-NO-3-HYDRAULIC-SYSTEM	3030.5	AIR	6	0.0066	62 1157 63852000
REGULATING PRESSURE	SUCTION-PUMP-NO-2-HYDRAULIC-SYSTEM	*	AIR	76	0.0113	66 1250 63854000
REGULATING PRESSURE	LUBE-SYSTEM	5.841	AIR	48	0.0272	65 1227 63856000
REGULATING PRESSURE				520	0.51361	65 1201 63858000
REGULATING PRESSURE	FUEL-SYSTEM	13.9975	AIR	304	0.1645	66 1250 63860000
REGULATING PRESSURE	FUEL-SYSTEM	25.9834	AIR	76	0.0113	66 1250 63862000A
REGULATING PRESSURE	FUEL-SYSTEM	23.2868	AIR	192	0.0988	65 1227 63864000
REGULATING PRESSURE	GIL-SYSTEM	73.1472	AIR	48	0.0272	65 1227 63866000
REGULATING PRESSURE		5.1379	AIR	1716	1.9545	65 1201 63868000
REGULATING PRESSURE	POWER-SECTION	2.14832	AIR	400	0.46548	65 1198 63870000
REGULATING PRESSURE	POWER-SECTION	11.3314	AIR	408	0.353	63 1114 63872000
REGULATING PRESSURE	POWER-SECTION	11.8196	AIR	200	0.50763	65 1198 63874000
REGULATING PRESSURE	POWER-SECTION	26.5392	AIR	200	0.3912	63 1198 63876000
REGULATING PRESSURE	POWER-SECTION	3.1003	AIR	200	0.299	63 1114 63878000
REGULATING PRESSURE	RAIN-REMOVAL-SYSTEM	4.453	AIR	96	0.04944	65 1227 63880000
REGULATING PRESSURE	RAIN-REMOVAL-SYSTEM	97.2526	AIR	152	0.08226	66 1250 63882000A
REGULATING PRESSURE	CONSTANT-SPEED-DRIVE	285.714	AIR	320	0.035	61 1080 63884000A
REGULATING PRESSURE	COCKPIT-AIR-MANIFOLD	327.217	AIR	42	0.08557	63 1123 63886000A
REGULATING PRESSURE	POWER-UNIT	5.6309	GRD	23	0.0079	62 1135 63888000
REGULATING PRESSURE		1290.32	GRD		0.0155	63 1125 63890000
REGULATING PRESSURE	RESERVOIR	4.3564	AIR		0.057	61 1084 63892000
REGULATING PRESSURE	RESERVOIR	28.5714	AIR		0.035	61 1082 63894000
REGULATING PRESSURE	G-SUIT	35.8098	AIR		0.163	61 1083 63896000
REGULATING PRESSURE	HYDRAULIC-RESERVOIR	75.5696	AIR	86	0.1306	66 1240 63898000A
REGULATING PRESSURE	CABIN	120.834	AIR		0.163	61 1083 63900000
REGULATING PRESSURE	CABIN	142.857	AIR		0.007	61 1082 63902000
REGULATING PRESSURE	COPPER-HLD-GOV	142.857	AIR		0.056	61 1082 63904000
REGULATING PRESSURE	RESERVOIR	239.263	AIR		0.163	61 1083 63906000
REGULATING PRESSURE	ANTI-G-SUIT	1225.11	AIR	86	0.1306	66 1240 63908000
REGULATING PRESSURE	AIR-CONDITION	151.648	AIR	75	0.28355	65 1196 63910000
REGULATING PRESSURE						
REGULATING PRESSURE	REGULATING PRESSURE	1834.86	GRD	17	0.0109	62 1113 63912000
REGULATING PRESSURE	REGULATING PRESSURE	3229.8	GRD	23	0.0155	63 1125 63914000
REGULATING PRESSURE	REGULATING PRESSURE	*	AIR		0.057	61 1084 63916000A
REGULATING PRESSURE	AIR-CONDITION	199.68	AIR		0.1016	66 1241 63918000
REGULATING PRESSURE	ANTI-ICE-RAIN-REMOVAL	459.418	AIR	43	0.0653	66 1240 63920000A
REGULATING PRESSURE	DEFROST-WINDSHIELD-CANOPY	612.557	AIR	43	0.0653	66 1240 63922000A
REGULATING PRESSURE	AIRBLEED	702.127	AIR	260	0.047	61 1080 63924000A
REGULATING PRESSURE						

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	522 VALVES	UPPER 90 CONF LIMIT	PART POPUL- LATION	PART HOURS	YR OF DATA RPT SRCE	CROSS INDEX REF NO
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT	ENVIRONMENT
-CU N.O.C.						
REGULATING-PRESSURE-AND- SHUTOFF	AIR-CONDITION	2500	AIR	2500	0.014	61 1080 63526000
REGULATING-PRESSURE-AND- SHUTOFF-HOT-AIR-BYPASS	AIR	2500	AIR	2500	0.03	61 1080 63528000A
REGULATING-PRESSURE-HIGH	AIR	755.598	AIR	789.785	1.1342	65 1196 63930000
BLEED-AIR						
REGULATING-TEMPERATURE	CONSTANT-SPEED-DRIVE-POWER-PLANT	37.0421	AIR	60.169	0.21597	65 1155 63932000
REGULATING-WATER-INJECTION	AIR-CONDITION-FLIGHT-DECK	200.732	AIR	278.735	0.8469	64 1144 63934000
REGULATING-AIR-FLOW	AIR-CONDITION-FLIGHT-DECK	133.333	AIR	354.92	0.015	63 1114 63936000
REGULATING-AIR-FLOW	AIR-CONDITION-FLIGHT-DECK	261.363	AIR	346.06	0.088	63 1114 63938000
REGULATING-AIR-FLOW	AIR-CONDITION-FLIGHT-DECK	315.183	AIR	389.174	0.12691	65 1198 63940000
REGULATING-AIR-FLOW	AIR-CONDITION-FLIGHT-DECK	920.028	AIR	1068.45	0.08478	63 1198 63942000
REGULATING-AIR-FLOW	AIR-CONDITION-CARGO-COMPARTMENT	945.26	AIR	1071.56	0.11637	65 1198 63944000
REGULATING-AIR-FLOW	AIR-CONDITION-FLIGHT-DECK	946.666	AIR	1107.54	0.075	63 1114 63946000
REGULATING-AIR-FLOW	AIR-CONDITION-CARGO-COMPARTMENT	1000	AIR	1419.49	0.015	63 1114 63948000
REGULATING-AIR-FLOW	AIR-CONDITION-CARGO-COMPARTMENT	1486.19	AIR	1670.67	0.08478	63 1198 63950000
REGULATING-AIR-FLOW	AIR-CONDITION-CARGO-COMPARTMENT	1573.33	AIR	1774.68	0.075	63 1114 63952000
REGULATING-AIR-FLOW	AIR-CONDITION-CARGO-COMPARTMENT	1788.66	AIR	1950.61	0.12691	65 1190 63954000
REGULATING-AIR-FLOW	AIR-CONDITION-CARGO-COMPARTMENT	1875	AIR	2076.26	0.088	63 1114 63956000
REGULATING-AIR-REDUCING- PRESSURE-AIR	AIR	100.695	AIR	154.292	0.138	59 1070 63958000
REGULATING-AND-SHUTOFF	AIR-CONDITION	510.638	AIR	671.95	0.047	61 1080 63960000A
REGULATING-AND-SHUTOFF-AIR	ANTI-G-SUIT	199.66	AIR	270.018	1.0016	66 1241 63962000
REGULATOR	CANOPY-EMERGENCY	264.555	AIR	286.235	1.0357	67 1272 63964000
RELEASE-AIR	DOOR-HYDRAULIC-RAMP	16.2563	AIR	20.3769	2.123	65 1266 63966000A
RELEASE-PRESSURE	DOOR-HYDRAULIC-RAMP	23.5904	AIR	62.7777	0.08478	63 1198 63968000
RELIEF	FILTER-FUEL-SYSTEM	28.6666	AIR	70.964	0.075	63 1114 63970000
RELIEF	DOOR-HYDRAULIC-CARGO-RAMP	*	AIR	23.2868	0.0888	65 1227 63972000
RELIEF	CASE-DRAIN-PUMP-NO-2-	*	AIR	93.1472	0.02472	65 1227 63974000
RELIEF	HYDRAULIC-SYSTEM	*	AIR	46.5736	0.04944	65 1227 63976000
RELIEF	PNEUMATIC-PRESSURE-SUPPLY	*	AIR	192.847	0.01194	63 1111 63978000
RELIEF	GLYCOL-SYSTEM	*	AIR	55.7885	0.035	61 1080 63980000A
RELIEF	CASE-CONSTANT-SPEED-DRIVE-OIL-SYSTEM	*	GRD	1495.19	0.00154	63 1125 63982000
RELIEF	CASE-DRAIN-PUMP-NO-1-	*	AIR	23.2868	0.0888	65 1227 63984000
RELIEF	HYDRAULIC-SYSTEM	*	AIR	46.5736	0.04944	65 1227 63986000
RELIEF	EMERGENCY-EXTENSION-NOSE-LANDING- GEAR	*	AIR	93.1472	0.02472	65 1227 63988000
RELIEF	SPOILER/AIRBRAKE-CONTROL	*	AIR	96.4641	0.02387	63 1111 63990000
RELIEF	SCAVENGE-CONSTANT-SPEED-DRIVE-OIL- SYSTEM	*	AIR	23.2868	0.0888	65 1227 63992000
RELIEF	CASE-CONSTANT-SPEED-DRIVE-OIL-SYSTEM	*	AIR	13.5975	0.043	66 1250 63994000
RELIEF	DOOR-HYDRAULIC-CARGO-RAMP	*	AIR	55.9834	0.0113	66 1250 63996000
RELIEF	EMERGENCY-EXTENSION- NOSE-LANDING-GEAR	*	AIR	55.9834	0.0113	66 1250 63998000

# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES					UPPER	PART	PART	YR	CROSS
PART DESCRIPTION		FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	90 CONF	POPULATION	HOURS	OF DATA	REF	INDEX
GO N.O.C.										
RELIEF		CASE-DRAIN-PUMP.	AIR	*	27.9917	152	.08226	66	1250	64000000A
RELIEF		NO-1-HYDRAULIC-SYSTEM								
RELIEF		CASE-DRAIN-PUMP.	AIR	*	27.9917	152	.08226	66	1250	64002000A
RELIEF		NO-2-HYDRAULIC-SYSTEM								
RELIEF		FILTER-FUEL-SYSTEM	AIR	*	13.9975	304	.1645	66	1250	64004000A
RELIEF		(STORAGE)	MSL	.002				65	2440	64006000
RELIEF		HYDRAULIC-POWER-SUPPLY	AIR	1.57594	6.12995	250	.63454	65	1198	64008000
RELIEF		HYDRAULIC-POWER-SUPPLY	AIR	2.26757	8.82018	510	.441	63	1114	64010000
RELIEF		HYDRAULIC-POWER-SUPPLY	LAB	5.7				63	1138	64012000
RELIEF		HYDRAULIC-POWER-SUPPLY	AIR	6.87462	13.7381	500	.58185	65	1198	64014000
RELIEF		HYDRAULIC-SYSTEM	AIR	9.2606	15.5722	441	.75589	65	1155	64016000
RELIEF		HYDRAULIC-POWER-SUPPLY	AIR	32.7				57	211	64018000
RELIEF		HYDRAULIC-POWER-SUPPLY	AIR	40	63.1377	150	.225	63	1114	64020000
RELIEF		EXT-TANK-COMBINATION	AIR	45.045	83.5558	640	.111	61	1080	64022000
RELIEF		BLEED-AIR-SYSTEM	AIR	48.6263	97.1742	152	.08226	66	1250	64024000A
RELIEF		ENGINE-FUEL-SYSTEM	AIR	95.8901	153.897	384	.10011	66	1225	64026000
RELIEF			AIR GND	100				61	412	64028000
RELIEF		BLEED-AIR-SYSTEM	AIR	101.132	107.595	96	.04944	65	1201	64030000
RELIEF		OIL-SYSTEM-ENGINE	AIR	113.507	302.06	64	.01762	65	1225	64032000
RELIEF		AIR-CONDITIONING-SYSTEM	AIR	120.481	468.630	32	.0083	66	1225	64034000
RELIEF			AIR	126.315	187.174		.095	63	2120	64036000
RELIEF			AIR	141				57	211	64038000
RELIEF			AIR GND	141				61	212	64040000
RELIEF		CONSTANT-SPEED-DRIVE	AIR	142.857	264.991	320	.035	61	1080	64042000A
RELIEF			AIR	189.473	236.726		.190	63	2120	64044000
RELIEF		HYDRAULIC-SYSTEM	AIR	213.049	298.956	288	.0751	66	1225	64046000
RELIEF		CANOPY-SEAL	AIR	272.727	387.134	320	.055	61	1080	64048000
RELIEF			AIR	300				61	1068	64050000
RELIEF		HYDRAULIC-POWER-CONTROL-SYSTEM	AIR SHP GRD 500					58	212	64052000
RELIEF		TANK-VENT	GRD	869.565	2314.04		.0023	62	1135	64054000
RELIEF		OIL-SYSTEM-TURBOJET-J-85	AIR	128.571	176.83	1280	.14	61	1080	64056000
RELIEF		PRESSURE-SUPPLY-SYSTEM	AIR	*	22.6055	812	.10186	64	1179	64058000
RELIEF		OIL-SYSTEM-TURBOJET-J-85	AIR	*	48.2219	124	.05775	63	1111	64060000
RELIEF		OVERBOARD-VENT-TURBOJET-J-85	AIR	13.1268	29.2325	946	.22854	65	1228	64062000
RELIEF		OVERBOARD-VENT-TURBOJET-J-85	AIR	17.5024	34.9765	946	.22854	65	1228	64064000
RELIEF		OVERBOARD-VENT-TURBOJET-J-85	AIR	68.7217	115.559	812	.10186	64	1179	64066000
RELIEF		VACUUM/PRESSURE-CALIBRATION-RACK	AIR	73.6196	169.089		.163	61	1082	64068000
RELIEF		FUEL-FILTRATION	AIR	95.238	190.322		.042	61	1082	64070000
RELIEF		FUEL-FILTRATION	GRD	952.38	234.42		.0021	62	1141	64072000
RELIEF		FUEL-FILTRATION	LAB	*	.038374		.60.004	64	2239	64074000
RELIEF		FUEL-FILTRATION	AIR	8.7512	23.2882	946	.22854	65	1228	64076000
RELIEF		FUEL-FILTRATION	AIR	12.5518	18.3044	1194	.1.0157	67	1272	64078000
RELIEF		CONSTANT-SPEED-DRIVE	AIR	17.1115	36.1063	812	.17532	64	1179	64080000
RELIEF		ELECTRICAL-POWER.707-131	AIR	60P				66	2361	64082000
RELIEF		ELECTRICAL-POWER.707-131	AIR	70P				65	2361	64084000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

MCNELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE REF NO	
CO N.O.C.									
RELIEF-CONSTANT-SPEED-ORIVE ELECTRICAL-POWER-707-321			AIR	80P				66	2344 6408000
RELIEF-CONSTANT-SPEED-ORIVE ELECTRICAL-POWER-707-131			AIR	170P				66	2341 64188000
RELIEF-CONSTANT-SPEED-ORIVE ELECTRICAL-POWER-707-131			AIR	27-P				65	2364 6409000
RELIEF-PNEUMATIC-CONTROL			CMD	365.685	983.789	21	.00541	67	1276 64192000A
RELIEF-PNEUMATIC-CONTROL			LAD	*		2		62	1085 64194000
RELIEF-HELIUM		CONVERTER-FIXED-SYSTEM	AIR	4.29A64	16.7126	200	.23274	65	1198 64196000
RELIEF-OXYGEN			AIR	460.401	508.525		.538	63	2112 64198000
RELIEF-OXYGEN			CMD	7500C	9869.89C	30	.0032C	66	1245 64100000A
RELIEF-PNEUMATIC-CONTROL			CMD	7719.29C	9435.52C	23	.0057C	66	1245 64102000A
RELIEF-POCKET-SPRING-LOADING-LOX			AIR	*	55.9834	76	.04113	66	1250 64104000A
RELIEF-PRESSURE		NO-2-HYDRAULIC-SYSTEM	AIR	*	55.9834	76	.04113	66	1250 64106000
RELIEF-PRESSURE		FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	*	55.9834	76	.04113	66	1250 64108000A
RELIEF-PRESSURE		NO-1-HYDRAULIC-SYSTEM	AIR	*	55.9834	76	.04113	66	1250 64110000A
RELIEF-PRESSURE		NO-2-HYDRAULIC-SYSTEM	AIR	*	55.9834	76	.04113	66	1250 64112000A
RELIEF-PRESSURE		SCAVENGE-REDUCTION-GEAR-ENGINE-OIL	AIR	*	4.94672	400	.46548	65	1198 64114000
RELIEF-PRESSURE		FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	*	93.1472	48	.02472	65	1227 64116000
RELIEF-PRESSURE		SCAVENGE-REDUCTION-GEAR-ENGINE-OIL	AIR	*	4.53598	200	.50763	65	1198 64118000
RELIEF-PRESSURE		SCAVENGE-REDUCTION-GEAR-ENGINE-OIL	AIR	*	6.78992	200	.33912	63	1198 64120000
RELIEF-PRESSURE		NO-2-HYDRAULIC-SYSTEM	AIR	*	93.1472	40	.02472	65	1227 64122000
RELIEF-PRESSURE		FUEL-SYSTEM	AIR	*	26.2673	406	.08766	65	1179 64124000
RELIEF-PRESSURE		OIL-SYSTEM-GAS-TURBINE-COMPRESSOR	AIR	*	19.7868	100	.11637	65	1198 64126000
RELIEF-PRESSURE		AUXILIARY-POWER	AIR	*	16.1435	50	.12691	65	1198 64128000
RELIEF-PRESSURE		OIL-SYSTEM-GAS-TURBINE-COMPRESSOR	AIR	*	19.7868	100	.11637	65	1198 64130000
RELIEF-PRESSURE		AUXILIARY-POWER	AIR	*	26.1505	473	.11427	65	1228 64132000
RELIEF-PRESSURE		RADOME-ANTI-ICE/DE-ICE	AIR	*	93.1472	48	.02472	65	1193 64134000
RELIEF-PRESSURE		FUEL-VENT-SYSTEM	AIR	*	4.94672	400	.46548	65	1227 64136000
RELIEF-PRESSURE		NO-1-HYDRAULIC-SYSTEM	AIR	*	93.1472	48	.02472	65	1201 64138000
RELIEF-PRESSURE		REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	501379	1.93021	1716	1.9945	67	1272 64140000
RELIEF-PRESSURE		EQUIPMENT-COOLING	AIR	1.93091	7.51066	597	.51789	63	1198 64142000
RELIEF-PRESSURE		POWER-SECTION	AIR	2.9488	11.4699	200	.33912	63	1198 64144000
RELIEF-PRESSURE		REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	2.9488	11.4699	200	.33912	63	1198 64146000
RELIEF-PRESSURE		OIL-SYSTEM-ENGINE	AIR	3.00827	5.28057	1716	1.9945	65	1201 64148000
RELIEF-PRESSURE		POWER-SECTION	AIR	3.34448	13.009	200	.299	63	1114 64150000
RELIEF-PRESSURE		REDUCTION-GEAR-ENGINE-OIL-SYSTEM	AIR	5.66572	15.0773	408	.353	63	1114 64152000
RELIEF-PRESSURE		POWER-SECTION	AIR	5.66572	15.0773	408	.353	63	1114 64154000
RELIEF-PRESSURE		RADOME-ANTI-ICE/DE-ICE	AIR	7.8796	30.6492	50	.12691	65	1198 64156000
RELIEF-PRESSURE		WATER-SEPARATOR-AIR-CONDITION	AIR	7.8796	30.6492	50	.12691	65	1198 64158000
RELIEF-PRESSURE		FLIGHT-DECK	AIR	7.8796	30.6492	50	.12691	65	1198 64160000
RELIEF-PRESSURE		POWER-SECTION	AIR	7.8796	30.6492	50	.12691	65	1198 64162000
RELIEF-PRESSURE		RADOME-ANTI-ICE/DE-ICE	AIR	11.3636	44.2011	102	.088	63	1114 64164000
RELIEF-PRESSURE		ENGINE-OIL-SYSTEM	AIR	12.158	32.3544	304	.1645	66	1250 64166000

AGMC AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 925 VALVES

PART DESCRIPTION

.00 M.O.C.

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF LIMIT

PART POPU- LATION

PART HOURS

VR OF DATA

GROSS INDXR RPT SACE REF NO

RELIEF-PRESSURE	AIR-BOTTLE	AIR	12.5412	46.8594	43	1123	64164000A
RELIEF-PRESSURE	REDUCTION GEAR-ENGINE-OIL-SYSTEM	AIR	13.1077	24.4624	400	37914	64164000A
RELIEF-PRESSURE	FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	16.129	62.737	272	63	1291 64164000
RELIEF-PRESSURE	FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	16.5971	29.8359	408	353	63 1114 64164000
RELIEF-PRESSURE	EQUIPMENT-COOLING	AIR	17.5024	46.5765	473	11427	65 1228 64172000
RELIEF-PRESSURE	REDUCTION GEAR-ENGINE-OIL-SYSTEM	AIR	19.3348	20.519	402	44348	65 1198 64174000
RELIEF-PRESSURE	LANDING GEAR-MAIN	AIR	20.9424	81.4554	124	0477	63 1111 64176000
RELIEF-PRESSURE	REDUCTION GEAR-ENGINE-OIL-SYSTEM	AIR	21.4096	42.7828	481	18684	65 1192 64178000
RELIEF-PRESSURE	TURBOPROP. 1-56-A7	AIR	21.6693	32.6973	200	50763	65 1198 64180003
RELIEF-PRESSURE	FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	22.8154	60.7152	406	08766	64 1179 64180000
RELIEF-PRESSURE	EQUIPMENT-COOLING	AIR	23.5904	62.7177	50	08478	63 1198 64184000
RELIEF-PRESSURE	RADOME-ANTI-ICE/DE-ICE	AIR	26.6665	70.464	50	075	63 1114 64186000
RELIEF-PRESSURE	RADOME-ANTI-ICE/DE-ICE	AIR	27.5791	39.6409	200	50763	65 1198 64188000
RELIEF-PRESSURE	REDUCTION GEAR-ENGINE-OIL-SYSTEM	AIR	21.9281	40.7277	500	46348	65 1198 64190000
RELIEF-PRESSURE	FUEL-SYSTEM	AIR	36.036	72.0139	650	111	61 1080 64192000A
RELIEF-PRESSURE	HYDRAULIC-THERM-VENT	AIR	47.1809	94.2857	50	08478	63 1198 64194000
RELIEF-PRESSURE	OIL-SYSTEM-GAS-TURBINE-COMPRESSOR.	AIR	31.1373	65.5942	150	5671	65 1196 64196000
RELIEF-PRESSURE	AUXILIARY-POWER	AIR	53.3333	106.58	50	075	63 1114 64198000
RELIEF-PRESSURE	CABIN-AIR-CONDITION	AIR	55.5555	216.094	34	018	29 1130 64200000
RELIEF-PRESSURE	OIL-SYSTEM-GAS-TURBINE-COMPRESSOR.	AIR	70.7928	119.042	192	09888	65 1227 64202000
RELIEF-PRESSURE	AUXILIARY-POWER	AIR	113.507	302.96	64	01762	65 1201 64204000
RELIEF-PRESSURE	ENGINE-OIL-SYSTEM	AIR	115.183	173.802	248	0955	63 1111 64206000
RELIEF-PRESSURE	OIL-SYSTEM-ENGINE	AIR	266.666	343.618	1200	105	61 1080 64208000
RELIEF-PRESSURE	OIL-SYSTEM-ENGINE	AIR	318.471	412.352	50	08478	63 1198 64210000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	346.666	451.152	50	075	63 1114 64212000
RELIEF-PRESSURE	FLIGHT-DECP	AIR	375	591.916	62	024	63 1111 64214000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	457.815	769.943	10	01529	65 1189 64216000A
RELIEF-PRESSURE	FLIGHT-DECK	AIR	695.644	728.461	300	1.1342	65 1196 64218000
RELIEF-PRESSURE	OXYGEN-SUPPLY	AIR	0	192.847	31	01194	63 1111 64220000
RELIEF-PRESSURE	OXYGEN-SUPPLY	AIR	0	64.3064	93	03581	63 1111 64222000
RELIEF-PRESSURE	OXYGEN-SUPPLY	GRD	0	230.265	93	08010	64 1171 64224000
RELIEF-PRESSURE	AIR-CONDITION	GRD	0	230.265	93	08010	64 1171 64226000
RELIEF-PRESSURE	REFUELING-SYSTEM	AIR	0	64.3004	93	03581	63 1111 64228000
RELIEF-PRESSURE	REFUELING-SYSTEM	AIR	0	46.5736	96	04944	65 1227 64230000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	0	192.847	31	01194	63 1111 64232000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	4.3756	7.0197	946	22854	65 1228 64234000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	0	27.9917	192	08226	64 1250 64236000A
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	9.43396	36.6952	106	106	59 1070 64238000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	70.6437	118.455	100	05937	63 1123 64240000
RELIEF-PRESSURE	WATER-SEPARATOR-AIR-CONDITION.	AIR	0	15.7868	100	11637	65 1198 64242000

ARMED AND DANGEROUS  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVE'S	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOUR:	YR CF DATA RPT SRCE	CROSS INDEX REF NO
N.O.C.	RELIEF-PRESSURE-VENT	WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	11.3636	44.2011	102	0.08	63	1114	64244000
	RELIEF-PRESSURE-VENT	WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	23.6387	52.642	50	.12691	63	1198	64246000
	RELIEF-PRESSURE-VENT	WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	38.0952	76.129	960	.105	61	1080	64248000A
	RELIEF-PRESSURE-VENT	WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	247.699	332.44	50	.08478	63	1198	64250000
	RELIEF-PRESSURE-VENT	WATER-SEPARATOR-AIR-CONDITION-CARGO	AIR	253.333	345.367	50	.075	63	1114	64252000
	RELIEF-PRESSURE-354-PSIG	ATTITUDE-CONTROL	GND	•	1545.36	22	.00149	65	1171	64254000
	RELIEF-PRESSURE/VACUUM	CABIN	AIR	•	30.15.5	473	.11427	65	1228	64256000
	RELIEF-PRESSURE/VACUUM	CABIN	AIR	11.4077	44.3725	406	.08766	64	1179	64258000
	RELIEF-PRESSURE/VACUUM	PULL-CELL	AIR	66.4231	89.8209	•	.3011	66	1263	64260000
	RELIEF-SCAVENGE	CONSTANT-SPEED-DRIVE-OIL-SYSTEM	AIR	1.2	13.9975	304	.1645	62	2239	64262000
RELIEF-SUNCTION	CAMERA-VACUUM-SYSTEM	AIR	•	110.224	100	.02089	63	1198	64264000	
RELIEF-SPRING-LOADED	RELIEF-FLAP-SYSTEM	AIR	2.44599	5.44202	•	.978	61	1083	64266000	
RELIEF-SPRING-LOADED	FUEL-SYSTEM	AIR	15.6754	24.7491	•	.574	61	1084	64270000	
RELIEF-SUNCTION	VACUUM-LINE	AIR	28.5714	76.0328	•	.07	61	1082	64272000	
RELIEF-THERMAL	REFUELING-SYSTEM	AIR	•	152.847	31	.01194	63	1111	64274000	
RELIEF-THERMAL	WING-FLAP-SYSTEM	AIR	•	21.4334	279	.10743	63	1111	64276000	
RELIEF-THERMAL	FUEL-SYSTEM	AIR	•	19.7868	100	.11637	65	1198	64278000	
RELIEF-THERMAL	PRESSURE-REFUELING-SYSTEM	AIR	•	152.847	31	.01194	63	1111	64280000	
RELIEF-THERMAL	PRESSURE-REFUELING-SYSTEM	AIR	•	20.15.5	473	.11427	65	1228	64282000	
RELIEF-THERMAL	PRESSURE-REFUELING-SYSTEM	AIR	7.72364	15.4348	597	.51789	67	1272	64284000	
RELIEF-THERMAL	LANDING-GEAR-MAIN	AIR	11.40.77	44.3725	406	.08766	64	1179	64286000	
RELIEF-THERMAL	GIL-TANK/SUMP	AIR	20.9424	55.7308	248	.0955	63	1111	64288000	
RELIEF-VACUUM	FULL-CITL	AIR	76.5696	297.833	86	.01306	66	1240	64290000A	
RELIEF-AIR-PRESS-DR	AIR-CONDITIONING-SYSTEM	AIR	82.9687	125.193	•	.13258	62	1241	64292000	
RELIEF-AND-CHECK	(STORAGE)	AIR	168.35	654.831	•	.00554	62	2320	64294000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.331	AIR	4.0P	•	•	•	66	2361	64296000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.331B	AIR	6.P	•	•	•	66	2361	64298000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.331D	AIR	7.P	•	•	•	66	2364	64300000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.131	AIR	9.0P	•	•	•	66	2361	64302000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.131B	AIR	9.0P	•	•	•	66	2361	64304000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.331	AIR	10.0P	•	•	•	66	2361	64306000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.331	AIR	11.0P	•	•	•	66	2364	64308000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.131	AIR	15.0P	•	•	•	66	2364	64310000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.331	AIR	35.0P	•	•	•	66	2364	64312000	
RELIEF-SKYDROL-AUXILIARY	HYDRAULIC-POWER.7.7.131	AIR	45.0P	•	•	•	66	2364	64314000	
RELIEF/REGULATOR	EQUIPMENT-COOLING	AIR	7.72364	15.4348	597	.51789	67	1272	64316000	
RELIEF/REGULATOR	EQUIPMENT-COOLING	AIR	8.7512	34.0395	473	.11427	65	1228	64318000	
RELIEF/REGULATOR	EQUIPMENT-COOLING	AIR	34.2231	76.2126	406	.08766	64	1179	64320000	
RELIEF/REGULATOR	HYDFAULIC-RESERVOIR	AIR	54.0655	69.6672	597	.51789	67	1272	64324000	
RELIEF/REGULATOR	HYDFAULIC-RESERVOIR	AIR	68.4462	120.147	406	.08766	64	1179	64326000	
RELIEF/REGULATOR	HYDFAULIC-RESERVOIR	AIR	87.512	134.826	473	.11427	65	1228	64328000	
RELIEF/SHUTOFF-LIQUID-HYDROGEN	RELIEF/SHUTOFF-LIQUID-HYDROGEN	GND	3480.37	6123.31	39	.00172	65	1171	64330000	

ROME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	GROSS INDEX
PART DESCRIPTION								APY	SACE REF NO
000 N.O.C.									
RESERVOIR-PRESSURE			AIR SHP GRD 20					58 2L2	64337000
RESTRICTOR-FILL			GRD	ICR	30.897R	2	-IR	64 1134	64334000
RESTRICTOR-NG-VARIABLE		LANDING-GEAR. 727	AIR	340P				45 2363	64336000
RESTRICTOR		PUMP-COOLING-NO-1-HYDRAULIC-SYSTEM	AIR		55.9834	76	.04113	66 1250	64338000
RESTRICTOR		PUMP-COOLING-NO-2-HYDRAULIC-SYSTEM	AIR		55.9834	76	.04113	66 1250	64340000
RESTRICTOR		HYDRAULIC-POWER-SUPPLY	AIR		19.7868	100	.11637	65 1198	64342000
RESTRICTOR		LANDING-GEAR-MAIN	AIR		9.89344	200	.23274	65 1198	64344000
RESTRICTOR		LANDING-GEAR-MAIN	AIR		4.53598	200	.50763	65 1198	64346000
RESTRICTOR		PUMP-COOLING-NO-2-HYDRAULIC-SYSTEM	AIR		93.1472	48	.02472	65 1227	64348000
RESTRICTOR		PUMP-COOLING-NO-1-HYDRAULIC-SYSTEM	AIR		93.1472	48	.02472	65 1227	64350000
RESTRICTOR		DOOR-HYDRAULIC-FORWARD-CARGO	AIR		116	100	.01985	65 1198	64352000
RESTRICTOR		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	7.8796	30.6492	50	.12691	65 1198	64354000
RESTRICTOR		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	11.7952	45.8799	50	.08478	63 1198	64356000
RESTRICTOR		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	13.3333	51.8626	50	.075	63 1114	64358000
RESTRICTOR		HYDRAULIC-POWER-SUPPLY	AIR	15.0943	30.1643	306	.265	63 1114	64360000
RESTRICTOR		HYDRAULIC-POWER-SUPPLY	AIR	15.5202	20.3074	950	1.6108	63 1198	64362000
RESTRICTOR		HYDRAULIC-POWER-SUPPLY	AIR	15.7596	27.6636	150	.38072	65 1198	64364000
RESTRICTOR		HYDRAULIC-POWER-SUPPLY	AIR	16.8657	22.195	950	1.423	63 1114	64366000
RESTRICTOR			AIR SHP GRD 20					58 2L2	64368000
RESTRICTOR-AIR			AIR		14.1263		.163	61 1083	64370000
RESTRICTOR-AIR			AIR	571.428	1141.93		.007	61 1082	64372000
RESTRICTOR-HYDRAULIC		HYDRAULIC-POWER. 707-1318	AIR	130P				66 2364	64374000
RESTRICTOR-HYDRAULIC		HYDRAULIC-POWER. 707-1318	AIR	130P				66 2364	64376000
RESTRICTOR-SPRING-LOADED			AIR		82.2357		.028	61 1082	64378000
RESTRICTOR-SPRING-LOADED			AIR		4.70879		.489	61 1083	64380000
RESTRICTOR-SPRING-LOADED			AIR	3.48432	9.2723		.574	61 1084	64382000
RESTRICTOR-TWO-WAY		HYDRAULIC-POWER. 707-331	AIR	50P				66 2364	64384000
RESTRICTOR-TWO-WAY		HYDRAULIC-POWER. 707-331	AIR		27.9917	152	.08226	66 1250	64386000
RESTRICTOR-TWO-WAY		EXTENSION-EMERGENCY.	AIR		55.9834	76	.04113	66 1250	64388000
RESTRICTOR-TWO-WAY		NOSE-LANDING-GEAR	AIR					66 1250	64390000
RESTRICTOR-TWO-WAY		DOOR-HYDRAULIC-PETAL	AIR		55.9834	76	.04113	66 1250	64392000
RESTRICTOR-TWO-WAY		WING-SPOTLER-SYSTEM	AIR		13.9975	304	.1645	66 1250	64394000
RESTRICTOR-TWO-WAY		DOOR-HYDRAULIC-PETAL	AIR		93.1472	48	.02472	65 1227	64396000
RESTRICTOR-TWO-WAY		WING-SPOTLER-SYSTEM	AIR		23.2868	192	.09888	65 1227	64398000
RESTRICTOR-TWO-WAY			LAB	.54				63 1138	64398000
RESTRICTOR-TWO-WAY			AIR	19.75				57 2L1	64400000
RESTRICTOR-TWO-WAY		TURBET-PNEUMATIC-SYSTEM	AIR	583.333	986.958	31	.012	63 1111	64402000
RESTRICTOR-TWO-WAY		HYDRAULIC-POWER. 707-131	AIR	260P				65 2361	64404000
RESTRICTOR-TWO-WAY		BRAKE-HYDRAULIC-LANDING-GEAR	AIR		9.89344	200	.23274	65 1198	64406000
RESTRICTOR-TWO-WAY		NOSE-LANDING-GEAR	AIR		93.1472	48	.02472	65 1227	64408000
RESTRICTOR-TWO-WAY			AIR					63 1111	64410000
RESTRICTOR-TWO-WAY		LANDING-GEAR	AIR		192.847	31	.01194	65 1227	64412000
RESTRICTOR-TWO-WAY		WING-FLAP-SYSTEM	AIR		46.5736	96	.04944	65 1198	64414000
RESTRICTOR-TWO-WAY			AIR		19.7868	100	.11637	65 1198	64416000



JANUARY 1968

## NON-ELECTRONIC PART FAILURE RATE DATA

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION									RPT SRCE	REF NG
2-WAY, 45-PSI										
RESTRICTORS-HYDRAULIC		LANDING-GEAR, MAIN	AIR	•	46.2736	96	95944	65 1227	64416000	
RESTRICTORS-HYDRAULIC		WING-FLAP-SYSTEM	AIR	•	18.1435	50	-12691	65 1198	64418000	
RESTRICTORS-HYDRAULIC		WING-FLAP-SYSTEM	AIR	•	13.5798	100	-16956	63 1198	64420000	
RESTRICTORS-HYDRAULIC		LANDING-GEAR, MAIN	AIR	•	27.9917	152	-08226	66 1250	64422000A	
RESTRICTORS-HYDRAULIC		SPEED-BRAKE, FLIGHT-CONTROL	AIR	3.86182	10.2768	597	-51789	67 1272	64424000	
RESTRICTORS-PNEUMATIC		CANOPY	AIR	76.5696	257.833	86	-01306	66 1240	64426000A	
2-WAY, 45-PSI										
RESTRICTORS-TWO-WAY		HYDRAULIC-POWER, 707-131	AIR	40P				66 2361	64428000	
RESTRICTORS-TWO-WAY		HYDRAULIC-POWER, 707-131	AIR	40P				66 2361	64430000	
RESTRICTORS-2-WAY		PNEUMATIC-LAND-GR-EMERGENCY	AIR	4.34103	16.8053		-23036	66 1241	64432000	
RUDDER-PRESSURE		FLIGHT-CONTROLS, 707-131	AIR	110P				66 2361	64434000	
RUDDER-PRESSURE		FLIGHT-CONTROLS, 707-131	AIR	110P				66 2364	64436000	
RUDDER-PRESSURE		FLIGHT-CONTROLS, 707-131	AIR	160P				66 2364	64438000	
RUDDER-PRESSURE		FLIGHT-CONTROLS, 707-131	AIR	230P				66 2364	64440000	
RUDDER-PRESSURE		FLIGHT-CONTROLS, 707-131	AIR	340P				66 2362	64442000	
RUDDER-PRESSURE		FLIGHT-CONTROLS, 707-131	AIR	150P				66 2365	64444000	
S/O-RAIN-REPELLANT		ICE-AND-RAIN-PROTECTION, 727	GRD	•	46032C		-00005C	66 2451	64446000	
SAFETY			AIR	14.2857	55.5671	640	-07	61 1080	64448000	
SAFETY			AIR	60C	757.344	320	-035	61 1080	64450000	
SAFETY		AIR-CONTROL-COCKPIT	AIR	694.736	817.689	76	-095	64 1266	64452000A	
SAFETY		AIR-CONDITIONING-SYSTEM	AIR	722.891	1268.92	32	-0083	66 1225	64454000	
SAFETY		AIR-CONDITIONING-SYSTEM	AIR	56.8181	105.394	102	-088	63 1114	64456000	
SAFETY-PRESSURIZATION		AIR-CONDITIONER	AIR	94.526	142.632	100	-11637	65 1198	64458000	
SAFETY-PRESSURIZATION		AIR-CONDITIONER	AIR	94.5551	140.111	50	-12691	65 1198	64460000	
SAFETY-PRESSURIZATION		AIR-CONDITIONER	AIR	110.061	131.203	597	-21789	67 1272	64462000	
SAFETY-PRESSURIZATION		CABIN	AIR	113.765	165.904	473	-11427	65 1228	64464000	
SAFETY-PRESSURIZATION		CABIN	AIR	125.484	189.346	406	-08766	64 1179	64466000	
SAFETY-PRESSURIZATION		CABIN	AIR	530.785	647.298	50	-08478	63 1198	64468000	
SAFETY-PRESSURIZATION		AIR-CONDITIONER	AIR	573.333	702.48	50	-075	63 1114	64470000	
SAFETY-PRESSURIZATION		AIR-CONDITIONER	AIR	.05	-087768		120.0	62 2239	64472000	
SAFETY-WATER			AIR	130P				66 2364	64474000	
SEL-RAIN-REPELLANT		ICE-AND-RAIN-PROTECTION, 707-131R	AIR	•	192.847	31	-01194	63 1111	64476000	
SELECTOR		AIR-COOLING	AIR	•	67.426		-03415	63 1123	64478000	
SELECTOR		FUEL-DUMP-SEAL	AIR	•	65.7885	320	-035	61 1080	64480000A	
SELECTOR		ENGINE-IDLE-THRUST	AIR	•	14.1068	300	1.1342	65 1196	64482000	
SELECTOR		FUEL-SYSTEM	AIR	16				63 1138	64484000	
SELECTOR			LAB	21.0326	42.0713		-190	63 1121	64486000	
SELECTOR		ARRESTING-HOOK-SYSTEM	AIR	27.7829	61.0707	63	-10798	65 1155	64488000	
SELECTOR		HYDRAULIC-SYSTEM	AIR	31.7404	50.1005	75	-28355	65 1196	64490000	
SELECTOR		WINGFOLD-CENTROL	AIR	35.059	78.074		-08557	63 1123	64492000A	
SELECTOR		WINGFOLD-FLIGHT-CONTROL-SYSTEM	AIR	50.933	76.8539	126	-21597	64 1155	64494000	
SELECTOR		CANOPY-SEAL	AIR	54.054	94.8837	320	-111	61 1180	64496000	
SELECTOR		ARRESTING-HOOK	AIR	52.5325	97.2194		-108	63 1104	64498000	
SELECTOR		OXYGEN-880	AIR	70P				66 2360	64500000	
SELECTOR		DOOR-HYDRAULIC-FORWARD-CARGO	AIR	70.7714	124.228	50	-08478	63 1198	64502000	

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	QTY	VALUES										
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX	REF	SACE	DEF	NO
SELECTOR	FLAP-FLIGHT-CONTROL-SYSTEM	AIR	74.0377	120.343	63	-10798	64	1155	64504000			
SELECTOR	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	79.5454	133.76	102	-088	63	1114	64506070			
SELECTOR	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	80	140.428	50	-075	63	1114	64508070			
SELECTOR	BOOSTER-NUCLEAR-FLIGHT-CONTROL	AIR	92.6097	142.68	63	-10798	64	1155	64510070			
SELECTOR	WINCH-FULLING	AIR	98.1				57	211	64512000			
SELECTOR	DOOR-HYDRAULIC-FORWARD-CARGO	AIR	101.851	139.241		-216	63	2100	64514000			
SELECTOR	LANDING-GEAR	AIR	126.073	176.909	50	-12691	65	1198	64516000			
SELECTOR	FLAP-FUSITION	AIR	138.914	197.188	63	-10798	64	1155	64518000			
SELECTOR	BRAKE-MAIN-LANDING-GEAR	AIR	148.148	7.845		-108	63	2100	64520000			
SELECTOR	HYDRAULIC-SYSTEM	AIR	148.175	7.923	63	-10798	64	1155	64522000			
SELECTOR		AIR	161	.894	192	.005	66	1225	64524000			
SELECTOR		AIR	158				57	211	64526000			
SELECTOR		AIR	198				57	211	64528000			
SELECTOR		AIR	277.777	354.769		-108	63	2101	64530000			
SELECTOR		AIR	296.296	375.345		-108	63	2101	64532000			
SELECTOR		AIR	371				57	211	64534000			
SELECTOR		AIR	884.21	1021.14		.095	63	2120	64536000			
SELECTOR	LANDING-CONTROL	AIR	945.454	1136.58	320	.055	61	1080	64538000			
SELECTOR	WATER-SEPARATOR	AIR	166.666	643.525	31	.012	63	1111	64540000			
SELECTOR	PUMP-PLANT	AIR	319.488	374.651	126	.21597	65	1155	64542000			
SELECTOR	EMERGENCY-EXTENSION	AIR	0	93.1472	48	.02472	63	1277	64544000			
SELECTOR	ACSE-LANDING-GEAR	AIR	0	55.9834	76	.04113	66	1250	64546000			
SELECTOR	EMERGENCY-EXTENSION	AIR	0									
SELECTOR	NOSE-LANDING-GEAR	AIR	4.82765	8.955	1194	1.0352	67	1272	64548000			
SELECTOR	FUEL-SYSTEM	AIR	5.7385	22.1862	812	.17532	64	1179	64550000			
SELECTOR	FUEL-SYSTEM	AIR	21.878	47.5823	946	.22854	65	1228	64552000			
SELECTOR	PRESSURE-REFUELING	AIR	25.1012	36.601	597	.51789	67	1272	64554000			
SELECTOR		AIR	157.521	216.647	473	.11427	65	1228	64556000			
SELECTOR		AIR	182.523	256.121	406	.08766	64	1179	64558000			
SELECTOR		AIR	153.139	47.526	86	.01306	64	1240	64560000			
SELECTOR	STOPPAGE (STOPPAGE)	MSL	.01				66	241	64562000			
SELECTOR		MSL	.01				65	2440	64564000			
SELECTOR	ANTI-ICE-CABIN-AIR-CONDITIONING	AIR	2260	3319.63	60	.005	61	1080	64566000			
SELECTOR	ANTI-ICE-CABIN-AIR-CONDITIONING	AIR	34.2231	76.2122	406	.08766	64	1179	64568000			
SELECTOR	CABIN-AIR-CONDITION	AIR	78.7608	124.319	473	.11427	65	1228	64570000			
SELECTOR		AIR	40.5471	54.4214	597	.51789	67	1272	64572000			
SELECTOR	TIP-PROTECTION-GEAR	LAB	4.6				63	1138	64574000			
SELECTOR		AIR	41.8935	162.953	62	.02387	63	1111	64576000			
SELECTOR		AIR	81.3				57	211	64578000			
SELECTOR		AIR SHIP GRD	40.3				58	212	64580000			
SELECTOR		AIR	7.98035	11.6377		1.629	61	1083	64582000			

ALL N.O.C.

MECHANICALLY-CONTROLLED



ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	92 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POSITION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
SHUT-OFF-MAGNETIC-300C-PSI	STARTING-7C7-331	AIR	280P					66	2361 64668000
SHUT-OFF-OR-DUMP		AIR	198					57	211 64668000
SHUT-OFF-PRESSURE		AIR SHP GRD 50						58	212 64670000
SHUT-OFF-RAIN-REFILLANT	ICE-AND-RAIN-PROTECTION-707-131	AIR	250P					66	2362 64672000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-331	AIR	310P					66	2362 64674000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-131	AIR	280P					66	2362 64676000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-131	AIR	490P					66	2362 64678000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-331	AIR	680P					65	2362 64680000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-331	AIR	901P					66	2362 64682000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-131	AIR	1310P					65	2362 64684000
SHUT-OFF-T-C-PNEUMATIC	AIR-CONDITIONING-707-131B	AIR	20P					66	2364 64686000
SHUT-OFF-6-DIA-PNEUMATIC	FIRE-ISOLATION	AIR			13.9975	304	.1645	66	1250 64688000A
SHUT-OFF	FUEL-DISTRIBUTING-SYSTEM	AIR						66	1250 64690000A
SHUT-OFF	CENTER-MAN-SEP-FUEL-SYSTEM	AIR			55.9834	76	.04113	66	1250 64692000A
SHUT-OFF	SUCTION-NO-1-HYDRAULIC-SYSTEM	AIR			27.9917	152	.08226	66	1250 64694000A
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			55.9834	76	.04113	66	1250 64696000A
SHUT-OFF	AUXILIARY-POWER-UNIT	AIR						66	1250 64698000A
SHUT-OFF	SUCTION-NO-2-HYDRAULIC-SYSTEM	AIR			27.9917	152	.08226	66	1250 64699000A
SHUT-OFF	FIRE-ISOLATION-FUEL-DISTR-SYSTEM	AIR			23.2868	192	.09888	65	1227 64700000
SHUT-OFF	OKAIN-MANIFOLD-SINGLE-PT-REFUEL	AIR			46.5736	96	.04944	65	1227 64702000
SHUT-OFF	OIL-TANK	AIR			4.94672	400	.46548	65	1198 64704000
SHUT-OFF	AIR-CONDITIONING	AIR			191.883	31	.012	63	1111 64706000
SHUT-OFF	CENTER-MAN-SEP-FUEL-SYSTEM	AIR			93.1472	48	.02472	65	1227 64708000
SHUT-OFF	ENGINE-PNEUMATIC-SYSTEM/DEICING	AIR			4.94672	400	.46548	65	1198 64710000
SHUT-OFF	ALT-AIR-FLT-STATION-AIR-CONDITIONING	AIR			53.1472	48	.62472	65	1227 64712000
SHUT-OFF	FUEL-DISTRIBUTION	AIR			192.847	31	.01194	63	1111 64714000
SHUT-OFF	TV-CAMERA-COMPT-ANTI-DE-ICE-SYSTEM	AIR			27.1597	50	.08478	63	1198 64716000A
SHUT-OFF	AUTO-FLIGHT-CONTROL-SYSTEM	SIM GRD AIR			55.3775	195	.04158	64	1101 64718000
SHUT-OFF	AUTO-FLIGHT-CONTROL-SYSTEM	SIM GRD AIR			76.7533	139	.63	63	1117 64720000
SHUT-OFF	ENGINE-PT-FUEL-SYSTEM	AIR			2.50689	4.64012	1.9945	65	1211 64722000
SHUT-OFF	OIL-TANK	AIR			2.83286	11.185	.353	65	1114 64724000
SHUT-OFF	HYDRAULIC-SYSTEM	AIR			4.63027	18.0103	.21597	65	1155 64726000
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			5.66572	15.0772	.383	63	1114 64728000
SHUT-OFF	OIL-TANK	AIR			5.90981	13.1607	.50763	65	1198 64730000
SHUT-OFF	ALLENCA-FLIGHT-CONTROLS	LAB			6.5			63	1138 64732000
SHUT-OFF	CAPRA-VACUUM-SYSTEM-400-95	AIR			7.05243	18.7702	.28355	65	1192 64734000
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			7.18048	15.9904	.4178	63	1198 64736000
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			8.59328	17.1727	.46548	65	1198 64738000
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			9.25525	24.6412	.216	63	2107 64740000
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			11.8196	21.7475	.50763	65	1198 64742000A
SHUT-OFF	CROSSFEED-FUEL-DISTRIBUTING-SYSTEM	AIR			12.158	32.3544	.1645	66	1250 64744000
SHUT-OFF	SINGLE-POINT-REFUELING	AIR			13.2498	21.9474	.61823	63	1198 64746000
SHUT-OFF	PIPEWALL-FUEL-SYSTEM	AIR			16.129	67.737	.67	63	1114 64748000
SHUT-OFF	OIL-TANK	AIR			17.0928	31.571	.3312	65	1198 64750000
SHUT-OFF	ACTUATOR-HYDRAULIC-WING-SPOILER	AIR			19.237	41.0127	.1445	66	1250 64752000

UO A.O.C.

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER QC CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA KPT	CROSS INDEX PEF NO
SHUTOFF	PIL-TANK	AIR	20.0668	35.2244	200	.295	63	1114	64752000
SHUTOFF	JETTISON-FUEL-SYSTEM	AIR	21.2265	78.6751	96	.04944	65	1227	64754000
SHUTOFF	CROSS-FEED-FULL-DISTRIBUTION-SYSTEM	AIR	20.2265	53.8258	192	.08888	65	1227	64756000
SHUTOFF	LEFT/HIGHT-MAN-SEP-FUEL-SYSTEM	AIR	20.2265	78.6751	96	.04944	65	1227	64758000
SHUTOFF	ANTI-ICE-INLET	AIR	21.4832	33.6984	400	.46548	65	1198	64760000
SHUTOFF	ENGINE-PNEUMATIC-SYSTEM	AIR	23.6127	91.8465	90	.04235	64	1144	64762000
SHUTOFF	COMPRESSOR-CABIN	AIR	24.3131	94.5708	76	.04113	66	1250	64764000
SHUTOFF	WAP-AIR-VENT-AIR-CONDITION-SYS LM	AIR	24.3131	64.7009	152	.08226	66	1250	64766000
SHUTOFF	PHI-EJECTOR-AIR-CONDITION-SYSTEM	AIR	24.3131	64.7009	152	.08226	66	1250	64768000
SHUTOFF	JETTISON-FUEL-SYSTEM	AIR	24.3131	64.7009	152	.08226	66	1250	64770000
SHUTOFF	RAIN-REMOVAL-SYSTEM	AIR	24.3131	64.7009	152	.08226	66	1250	64772000
SHUTOFF	ALT-AIR-FLIGHT-STATION-AIR-CONDITION	AIR	24.3131	94.5708	76	.04113	66	1250	64774000
SHUTOFF	COOR-HYDRAULIC-RAMP	AIR	26.488	54.6986	100	.16956	63	1198	64776000
SHUTOFF	FIREWALL-FUEL-SYSTEM	AIR	30.1003	47.5117	200	.299	63	1114	64778000
SHUTOFF	BLEED-AIR-SYSTEM-AIR-CONDITIONER	AIR	31.1614	47.0202	408	.353	63	1114	64780000
SHUTOFF	BLEED-AIR-SYSTEM	AIR	31.5159	124.587	61	.03173	64	1144	64782000
SHUTOFF	BLEED-AIR-SYSTEM-AIR-CONDITIONER	AIR	31.519	44.2282	200	.50763	65	1198	64784000
SHUTOFF	ANTI-ICE-INLET	AIR	32.258	85.8435	272	.062	63	1114	64786000
SHUTOFF	ENGINE-PNEUMATIC-SYSTEM	AIR	32.258	85.8435	272	.062	63	1114	64788000
SHUTOFF	BLEED-AIR-SYSTEM-AIR-CONDITIONER	AIR	32.258	85.8435	272	.062	63	1114	64790000
SHUTOFF	FIREWALL-FUEL-SYSTEM	AIR	32.4368	48.9447	200	.33912	63	1198	64792000
SHUTOFF	COOR-HYDRAULIC-RAMP	AIR	33.557	62.2463	100	.149	63	1114	64794000
SHUTOFF	HOT-AIR-SYSTEM	AIR	33.7349	49.5012		.415	59	1070	64796000
SHUTOFF	GAS-TURBINE-COMPRESSOR	AIR	34.3731	68.6908	100	.11637	65	1198	64798000
SHUTOFF	GROUND-COOLING-EJECTOR-AIR-CONDITION	AIR	35.6903	50.0816		.4483	66	1263	64799000
SHUTOFF	DRAIN-ENGINE-OIL-TANK	AIR	36.3636	96.769	320	.055	61	1080	64799000
SHUTOFF	DRAIN-MANIFOLD-SINGLE-POINT-REFUEL	AIR	36.4697	81.2156	152	.08226	66	1250	64800000
SHUTOFF	FIREWALL-FUEL-SYSTEM	AIR	41.453	157.35	48	.02472	65	1227	64802000
SHUTOFF	AUXILIARY-POWER-UNIT	AIR	40.453	107.651	96	.04944	65	1227	64804000
SHUTOFF	RAIN-REMOVAL-SYSTEM	AIR	45.4545	73.8335	204	.176	63	1114	64806000
SHUTOFF	ENGINE-PNEUMATIC-SYSTEM/DE-ICE-SYSTEM	AIR	49.2484	64.439	200	.50763	65	1198	64808000
SHUTOFF	FIREWALL-HYDRAULIC-POWER-SUPPLY	AIR	50.1297	69.6008	200	.33912	63	1198	64810000
SHUTOFF	FIREWALL-HYDRAULIC-POWER-SUPPLY	AIR	50.1672	71.212	200	.299	63	1114	64812000
SHUTOFF	FIREWALL-HYDRAULIC-POWER-SUPPLY	AIR	52.1541	69.0551	510	.441	63	1114	64814000
SHUTOFF	WING-ANTI-ICE/DE-ICE-SYSTEMS	AIR	53.708	70.2741	400	.46548	65	1198	64816000
SHUTOFF	FIREWALL-HYDRAULIC-POWER-SUPPLY	AIR	55.158	69.1391	250	.63454	65	1198	64818000
SHUTOFF	ENGINE-PNEUMATIC-SYSTEM/DEICING	AIR	56.6572	76.615	408	.353	63	1114	64820000
SHUTOFF	ENRICHMENT-FUEL-SYSTEM	AIR	58.7536	220.754	64	.01762	65	1201	64822000
SHUTOFF	GAS-TURBINE-COMPRESSOR	AIR	56.8181	105.394	102	.088	63	1114	64824000
SHUTOFF	AUXILIARY-POWER-PLANT	AIR	59.9161	233.055	64	.01669	66	1225	64826000
SHUTOFF	GIL/FILTER-POWER-PLANT-SYSTEM	AIR	63.0367	102.393	50	.12691	65	1198	64828000
SHUTOFF	GAS-TURBINE-COMPRESSOR	AIR							
SHUTOFF	AUXILIARY-POWER-PLANT	AIR							
SHUTOFF	EMPENNAGE-ANTI-ICE/DE-ICE-SYSTEM	AIR	64.4496	91.4057	200	.23274	65	1198	64830000



SCOP AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 925 VALVES

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION HOURS	YR OF DATA	CROSS INDEX
SHUTOFF	GAS-TURBINE-COMPRESSOR.	AIR	377.447	476.211	50	.08478	63	1198 6492000
SHUTOFF	AUXILIARY-POWER-PLANT	AIR	388.077	425.966	200	.50763	65	1198 64904000
SHUTOFF	ANTI-ICE-INLET.	AIR	393.979	475.451	50	.12691	65	1198 64906000
SHUTOFF	ENGINE-PNEUMATIC-SYSTEM	AIR	400	456.702		.095	63	2126 64508000
SHUTOFF	FLOOR-HEAT-AIR-CONDITIONING.	AIR	443.181	548.739	102	.088	63	1114 64910000
SHUTOFF	CARGO-COMPARTMENT	AIR	456.375	535.815	100	.149	63	1114 64912000
SHUTOFF	FLOOR-HEAT-AIR-CONDITIONING.	AIR	464.585	514.62	408	.353	63	1114 64914000
SHUTOFF	CARGO-COMPARTMENT	AIR	465.911	540.549	100	.16556	63	1198 64916000
SHUTOFF	ENGINE-PNEUMATIC-SYSTEM	AIR	496.945	547.41		.36825	66	1241 64918000
SHUTOFF	BOUNDARY-LAYER-CONTROL	AIR	545.529	600.607	200	.33912	63	1198 64920000
SHUTOFF	WING-ANTI-ICE/DE-ICE-SYSTEMS	AIR	575.757	784.925	128	.033	66	1225 64922000
SHUTOFF	AIR-CONDITIONING-SYSTEM	AIR	581.939	642.652	200	.299	63	1114 64924000
SHUTOFF	WING-ANTI-ICE/DE-ICE-SYSTEMS	AIR	845.507	935.106		.19988	66	1241 64926000
SHUTOFF	TRAIL-EDGE-BOUNDARY-LAYER-CONTROL	AIR	1000	1854.94	16	.005	59	1110 64928000
SHUTOFF	AIR-CONDITIONING-CABIN	AIR	1233.33	1870.96	31	.012	63	1111 64930000
SHUTOFF	AIR-REFUEL	GRD	3703.70	7461.430		.001080	66	2MS1 64932000
SHUTOFF	PURGE-SYSTEM	GRD	150070	26330.20		.00040	66	2MS1 64934000
SHUTOFF	EXTERNAL-TANK	AIR	6.68896	17.8003	200	.299	63	1114 64936000
SHUTOFF	CABIN-PRESSURIZATION	AIR	45.045	83.5558	640	.111	61	1080 64938000
SHUTOFF	CABIN/ELECTRONIC-EQUIPMENT	AIR	57.0385	125.803	406	.08766	64	1179 64940000
SHUTOFF	CABIN-PRESSURIZATION	AIR	75.5696	253.783	172	.02612	66	1240 64942000
SHUTOFF	TURBINE	AIR	78.7608	124.315	473	.11427	65	1228 64944000
SHUTOFF	PURGE-SYSTEM	AIR	118.063	215.001	50	.04235	64	1144 64946000
SHUTOFF	PURGE-SYSTEM	AIR	5.89761	15.6944	200	.33912	63	1198 64948000
SHUTOFF	SHUTOFF-AIR-FACTOR-OPERATED	AIR	45.045	83.5558	640	.111	61	1080 64950000
SHUTOFF	SHUTOFF-BALL-COUPLE-ACTING	GRD	7777.770	13078.70	18	.00090	66	1245 64952000
SHUTOFF	PNEUMATIC-ACTUATED	GRD	1052.630	1477.070	79	.01520	66	1245 64954000
SHUTOFF	FUEL-SUCTIEN/FILL/DRAIN	GRD	4408.60	5429.030	40	.00930	66	1245 64956000
SHUTOFF	LOX-SUCTIEN/FILL/DRAIN	GRD	59.0318	109.5	180	.0847	64	1144 64958000
SHUTOFF	ENGINE	AIR	97.8663	110.878	300	1.1342	65	1196 64960000
SHUTOFF	LOW-PRESSURE	AIR	*	10.0752	946	.22854	65	1228 64962000
SHUTOFF	AFTERBURNER-TURBOJET-J-85	AIR	15.8702	21.9271	300	1.1342	65	1196 64964000
SHUTOFF	FIRE	AIR	22.8154	45.554	812	.17532	64	1179 64966000
SHUTOFF	REFUELING	AIR	30.03	46.2662	2030	.333	61	1080 64968000
SHUTOFF	WING	AIR	30.6292	51.5047	946	.22854	65	1228 64970000
SHUTOFF	WING	AIR	33.3169	45.4207		.57028	66	1241 64972000

00 N.O.C.

# ROME AIR DEVELOPMENT CENTER, GRIFPLA 89A, N.Y. SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	92 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX RPT SRCE REF NO
PART DESCRIPTION									
.00 M.B.C.									
SHUTOFF-FUEL	WING		AIR	33.3169	45.4207		.57028	65 1148	64574000
SHUTOFF-FUEL	MANIFOLD-REFUELING		AIR	39.2093	44.8205		2.4729	65 1196	64976000
SHUTOFF-FUEL	WING-CELL		AIR	46.7453	93.4153		.08557	63 1123	64978000A
SHUTOFF-FUEL	POWER-PLANT		AIR	50.933	76.4539	126	.21597	64 1153	64580000
SHUTOFF-FUEL			AIR	54.054	94.8837	640	.111	61 1080	64582000
SHUTOFF-FUEL			AIR	88.659	121.952	527	.203	63 1111	64584000
SHUTOFF-FUEL			AIR	99.4496	113.222	1194	1.0357	67 1272	64586000
SHUTOFF-FUEL	ENGINE-FIRE		AIR	101.851	135.741		.216	63 2109	64588000
SHUTOFF-FUEL	MANIFOLD, INTERCONNECT		AIR	166.866	371.195	64	.018	59 1110	64590000
SHUTOFF-FUEL			AIR	291.666	490.454	62	.024	63 1111	64592000
SHUTOFF-FUEL			GRD	333.33	12965.6		.0003	64 1163	64594000
4-INCH-BUTTERFLY									
SHUTOFF-FUEL	FIREWALL		MELI	100	222.693	120	.03	65 1215	64595000
MIL-V-3410.35PSI.18-30VDC									
SHUTOFF-FUEL			AIR	29.0077	36.4845		1.1721	66 1241	64598000
MOTOR-OPERATED-DISC-20VDC	ENGINE		AIR	76.5696	297.833	86	.01306	66 1240	6500000A
SHUTOFF-FUEL									
MOTOR-OPERATED-BUTTERFLY									
SHUTOFF-FUEL			AIR	105.177	146.016		.08557	63 1123	65002000A
SPEC-MANIFOLD/POPPET			GRD	0	7475.33		.0003	64 1163	65004000
SHUTOFF-FUEL	7-INCH-BUTTERFLY								
SHUTOFF-FUEL-AIR-ACTUATED			AIR	15.015	27.8519	1920	.333	61 1080	65006000A
SHUTOFF-FUEL-DRAIN			AIR	160.666	443.525	31	.012	63 1111	65008000
SHUTOFF-FUEL-MOTOR			AIR	226.315	277.294	192	.19	64 1266	65010000A
ACTUATED-MAN-GATE									
SHUTOFF-FUEL-MOTOR-OPERATED			AIR	45.7456	58.4249		.6558	66 1241	65012000
SHUTOFF-FUEL-NORMAL-SHUT	LEVEL-CONTROL		AIR	51.0464	198.555	129	.01959	66 1240	65014000A
SHUTOFF-FUEL-DEFUEL			MELI	200	351.07	170	.03	65 1215	65016000
MIL-F-8415.75GPH-MAX.0-60PSIG									
SHUTOFF-MELIUM			GRD	60000	13361.40	47	.00050	64 1163	65018000
7-INCH-MOTOR-OPERATED									
SHUTOFF-LEFT/RIGHT-MANUAL-SEPARATOR	FUEL-SYSTEM		AIR	12.1565	47.2854	192	.08226	66 1250	65020000A
SHUTOFF-LIQUID-OXYGEN			GRD	0	38376.6		.00006	64 1163	65022000
11-INCH-BUTTERFLY									
SHUTOFF-MANUAL	C/C-OXYGEN-SYSTEM		AIR	0	93.1472	48	.02472	65 1227	65024000
SHUTOFF-MANUAL	RAIN-REPELLANT-SYSTEM		AIR	0	95.9834	76	.04113	66 1250	65026000
SHUTOFF-MANUAL	PITOT-STATIC-SYSTEM		AIR	0	27.9917	192	.08226	66 1250	65028000
SHUTOFF-MANUAL	FLIGHT-INSTRUMENTATION								
SHUTOFF-MANUAL	RAIN-REPELLANT-SYSTEM		AIR	0	93.1472	48	.02472	65 1227	65030000
SHUTOFF-MANUAL	FUEL-SYSTEM		AIR	0	16.1915	252	.14221	64 1144	65032000
SHUTOFF-MANUAL	CARGO-COMPARTMENT-OXYGEN-SYSTEM		AIR	0	55.9834	76	.04113	66 1250	65034000A
SHUTOFF-MANUAL	PITOT-STATIC-SYSTEM		AIR	0	46.5736	96	.04944	65 1227	65036000
SHUTOFF-MANUAL	FLIGHT-INSTRUMENTATION								



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS 925 VALVES

CROSS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER  
90 CONF  
LIMIT

PART  
POPULATION

PART  
HOURS

YR  
OF DATA

INDEX  
RPT SRCE REF NO

~0 N.O.C.

SHUTOFF-MANUAL FUEL-SYSTEM	FUEL-SYSTEM	AIR	11-7952	45-8799	50	-08478	63	1198	65038000
SHUTOFF-MANUAL FUEL-SYSTEM	FUEL-SYSTEM	AIR	13-3333	51-8626	50	-075	63	1114	65040000
SHUTOFF-MANUAL FLIGHT-STATION-OXYGEN-SYSTEM	FLIGHT-STATION-OXYGEN-SYSTEM	AIR	24-3131	94-5708	76	-04113	66	1250	650-20004
SHUTOFF-MANUAL FLIGHT-STATION-OXYGEN-SYSTEM	FLIGHT-STATION-OXYGEN-SYSTEM	AIR	80-9061	215-303	48	-02472	65	1227	65044000
SHUTOFF-MANUAL HYDROGEN-PEROXIDE		LAB	0	5756.5	7	-0004	62	1085	65046000
SHUTOFF-MANUAL-FUEL-GATE		AIR	36-2318	67-2079		-138	59	1070	65048000
SHUTOFF-MANUAL-MELT-ARM		LAB	0	3837-66C	4	-0006C	62	1085	65050000
SHUTOFF-MANUAL-HOT-AIR	RAIN-REMOVAL-SYSTEM	AIR	23-3726	62-1982		-08557	63	1123	65052000A
SHUTOFF-MANUAL-OXYGEN	PRESSURE-SUIT	AIR	327-408	410-390		-1069	66	1241	65054000
SHUTOFF-MECHANICAL-LATCH	OIL-TANK-TRANSMISSION	MELZ	100	222-693	120	-03	65	1219	65056000
SHUTOFF-MIL-V-ECIC									
SHUTOFF-MOTOR-DRIVEN		AIR SMP 680 300							
SHUTOFF-OXYGEN		AIR	281-25	386-817	300	-004	61	1080	65060000A
SHUTOFF-OXYGEN-MANUAL		AIR	382-848	710-16	86	-01306	66	1240	65062000A
2-POSITION									
SHUTOFF-PRESSURE	NO-2-HYDRAULIC-SYSTEM	AIR	0	46-5736	96	-04944	65	1227	6505-0000
SHUTOFF-PRESSURE	NO-1-HYDRAULIC-SYSTEM	AIR	0	27-9917	152	-08226	66	1250	65064000A
SHUTOFF-PRESSURE	HYDRAULIC-POWER-SUPPLY	AIR	16-9971	25-8355	408	-353	63	1114	65068000
SHUTOFF-PRESSURE	NO-1-HYDRAULIC-SYSTEM	AIR	20-2265	78-6751	96	-04944	65	1227	65070000
SHUTOFF-PRESSURE	HYDRAULIC-POWER-SUPPLY	AIR	21-6693	32-6973	200	-50763	65	1198	65072000
SHUTOFF-PRESSURE	NO-2-HYDRAULIC-SYSTEM	AIR	24-3131	64-7009	152	-08226	66	1250	65074000A
SHUTOFF-PRESSURE	HYDRAULIC-POWER-SUPPLY	AIR	73-0428	91-8697	400	-46548	65	1198	65076000
SHUTOFF-PRESSURE	HYDRAULIC-POWER-SUPPLY	AIR	165-133	197-17	200	-33912	63	1198	65078000
SHUTOFF-PRESSURE	HYDRAULIC-POWER-SUPPLY	AIR	170-568	205-448	200	-296	63	1114	65080000
SHUTOFF-PRESSURE	PNEUMATIC-PRESSURE-SUPPLY	AIR	565-445	732-13	124	-06775	63	1111	65082000
SHUTOFF-PRESSURE-MIN	FUEL-SYSTEM	AIR	0	13-9975	304	-1645	66	1250	65084000
SHUTOFF-PRESSURE-MIN	FUEL-SYSTEM	AIR	0	23-2868	152	-05888	65	1227	65086000
SHUTOFF-PRESSURE-MIN	GUN-CHARGER	AIR	46-7453	93-4153		-08557	63	1123	65088000
SHUTOFF-RAM-AIR	RAM-AIR-VENT-AIR-CONDITIONING-SYSTEM	AIR	0	93-1472	48	-02472	65	1227	65090000
SHUTOFF-RAM-AIR	STAGE-POINT-REFUELING	AIR	13-3555	21-6539	400	-599	63	1114	65092000
SHUTOFF-RAM-AIR	RUGGER-FLIGHT-CONTROL	AIR	21-7092	38-1073		-27638	65	1198	65094000
SHUTOFF-RAM-AIR	ELECT-EQUIPMENT-AIR-CONDITIONING	AIR	59-9041	105-152		-10016	66	1241	65096000
SHUTOFF-RAM-AIR	RAM-AIR-EQUIPMENT-COMPARTMENT	AIR	59-9041	105-152		-10016	66	1241	65098000
SHUTOFF-RAM-AIR	RAM-AIR-EMERGENCY	AIR	167-504	445-752	31	-01194	63	1111	65100000
SHUTOFF-RAM-AIR	RAM-AIR-LIQUID-COOLING	AIR	612-557	995	86	-01326	66	1240	65102000A
SHUTOFF-SOLENOID	FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	0	93-1472	48	-02472	65	1227	65104000
SHUTOFF-SOLENOID	FUEL-SYSTEM-AUXILIARY-POWER-UNIT	AIR	48-6263	129-401	76	-04113	66	1250	65106000
SHUTOFF-SOLENOID-FUEL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER	AIR	42-5664	79-7	100	-11637	65	1198	65108000
SHUTOFF-SOLENOID-FUEL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER	AIR	63-0367	102-393	50	-12651	65	1198	65110000
SHUTOFF-SOLENOID-FUEL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER	AIR	66-6466	259-313	68	-012	63	1114	65112000
SHUTOFF-SOLENOID-FUEL	GAS-TURBINE-COMPRESSOR-AUXILIARY-POWER	AIR	136-363	202-063	102	-088	63	1114	65114000

NON-ELECTRONIC PART FAILURE RATE DATA

930

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART LATION HOURS	YR OF DATA INDEX	CROSS RPT SRCE REF NO
PART DESCRIPTION								
-00 N.O.C.								
SHUTTLE-THRUST-REVERSER	EXHAUST-707-131	AIR	60P				66	2361 65190000
SHUTTLE-THRUST-REVERSER	EXHAUST-707-131	AIR	70P				65	2361 65200000
SHUTTLE-THRUST-REVERSER	EXHAUST-707-131	AIR	140P				65	2364 65207000
SLIDER		AIR SMP GRD 100					58	212 65204000
SMOOTHER		AIR SMP GRD 10					58	212 65206000
SO-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-131B	AIR	30P				65	2364 65208000
170A-331C								
SO-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-131B	AIR	90P				66	2364 65210000
171A-331C								
SO-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-331B	AIR	50P				66	2364 65212000
172A-331C								
SO-FIRE-EXTINGUISHER	FIRE-PROTECTION-707-331B	AIR	70P				66	2362 65214000
173A-331C								
SO-FIRE-EXTINGUISHER	FIRE-PROTECTION-331C/373C	AIR	130P				66	2365 65216000
174A-331C								
SO-FIRE-EXTINGUISHER	FIRE-PROTECTION-331C/373C	AIR	130P				66	2360 65218000
175A-331C								
SO-WATER-SYSTEM	WATER/WASTE-707-131B	AIR	30P				66	2361 65220000
SO-6-DIA-PNEUMATIC	AIR-CONDITIONING-707-331	AIR	60P				65	2362 65222000
SOLENOID	RAIN-REPELLANT-SYSTEM	AIR		27.9917	152	0.0226	66	1250 65224000
SOLENOID	TRANSMITTER-RADAR-SYSTEM	SIM GRD AIR		82.9765	195	0.0275	64	1181 65226000
SOLENOID	EMERGENCY-DEPRESSURIZATION	AIR		27.9917	152	0.0226	66	1250 65228000
	AIR-CONCUSSION							
SOLENOID	BLEED-CONTROL-PNEUMATIC-SYSTEM	AIR		93.1472	48	0.02472	65	1277 65230000
	AUXILIARY-POWER-UNIT							
SOLENOID	TURBINE-PUMP-ASSEMBLY	SIM MCL		767.533C		0.003C	62	1089 65232000
SOLENOID	RAIN-REPELLANT-SYSTEM	AIR		46.5736	96	0.0444	65	1227 65234000
SOLENOID	TRANSMITTER-RADAR-SYSTEM	SIM GRD AIR		115.13	139	0.02	63	1117 65236000
SOLENOID	BLEED-CONTROL-PNEUMATIC-SYSTEM	AIR		55.9834	76	0.04113	66	1250 65238000
	AUXILIARY-POWER-UNIT							
SOLENOID				0.0718C			66	2231 65240000
SOLENOID		LAB		0.071818C	139.24C		65	2239 65242000
SOLENOID				0.526078	844631		62	2239 65244000
SOLENOID	REFRIGERATION-UNIT	GRD		1.58805	4.22206	130	55	1216 65246000
SOLENOID	ANTI-ICING	AIR		8.19179	18.2425	244	65	1201 65248000
SOLENOID	ACCELERATION-LIMITER	AIR		0.49328	33.4292	100	65	1198 65250000
	GAS-TURBINE-COMPRESSOR							
	AUXILIARY-POWER							
SOLENOID		LAB	11				63	1138 65252000
SOLENOID	ANTI-ICING-ELECTRICAL-SYSTEM	AIR	11-602	20.506	928	0.51361	65	1201 65254000
SOLENOID	CANOPY-SEAL-SYSTEM	AIR	17.5024	34.9765	946	0.22854	65	1228 65256000
SOLENOID		AIR GMD	22				61	212 65258000
SOLENOID		SEN	23				52	1078 65260000
SOLENOID	AUTO-FLIGHT-CONTROL-SYSTEM	SIM GRD AIR	33.3333	129.454	139	0.03	62	1117 65262000
SOLENOID	AUTO-FLIGHT-CONTROL-SYSTEM	SIM GRD AIR	48.1	128.004	195	0.04150	64	1181 65264000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	923 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER QC CONF LIMIT	PART PORT- LATION HOURS	YR OF DATA RPT	CROSS INDEX REF NO
SOLENOID		TOGGLE-LATCH	AIR	69.7674	45.9344	2386	61	1060 452660004
SOLENOID		INFRARED-SEARCH-AND-TRACK	AIR	83.3333	324.141	31	63	1111 652680000
SOLENOID		ACCELERATOR-LIMITER.	AIR	156		1	66	2006 652720000
		GAS-TURBINE-COMPRESSOR.	AIR	181.23	239.959	50	65	1198 652720000
		AUXILIARY-POWER						
SOLENOID		ATM-AUXILIARY-POWER-PLANT	AIR	227.272	307.33	102	63	1114 652740000
SOLENOID		ATM-AUXILIARY-POWER-PLANT	AIR	253.333	345.367	50	63	1114 652740000
SOLENOID		ATM-AUXILIARY-POWER-PLANT	AIR	259.492	345.839	50	63	1198 652780000
SOLENOID		ATM-AUXILIARY-POWER-PLANT	AIR	266.666	522.903	68	53	1114 652800000
SOLENOID		ATM-AUXILIARY-POWER-PLANT	AIR	274.785	345.49	50	65	1198 652820000
SOLENOID		ATM-AUXILIARY-POWER-PLANT	AIR	300.764	377	100	65	1198 652840000
SOLENOID		INFRARED-SEARCH-AND-TRACK	AIR	316		1	66	2006 652860000
SOLENOID		ACCELERATOR-LIMITER.	AIR	443.181	548.739	102	63	1114 652880000
		GAS-TURBINE-COMPRESSOR.						
		AUXILIARY-POWER						
SOLENOID			AIR	550			61	1068 652900000
SOLENOID		AIR-CONDITIONING	AIR	0	46.5736	96	65	1227 652920000
		PURGE-SYSTEM						
			AIR	10.0334	22.3430	200	63	1114 652940000
			AIR	14.3149	20.5807		61	1083 652960000
			AIR	23.2558	46.4741		61	1084 652980000
			AIR	85.7142	190.88		61	1082 653000000
		REFUELING-COOR	AIR	166.666	443.525	31	63	1111 653020000
			AIR	800	1598.71	16	59	1110 653040000
		VACUUM/PRESSURE-CALIBRATION-RACK	GRD	952.38	2534.42		62	1141 653060000
			AIR	188.902	265.072	180	64	1144 653080000
			AIR	114.285	228.387	320	61	1080 653100000
		CANOPY-SEAL-SYSTEM	AIR	5.70385	22.1862	812	64	1179 653120000
			GRD	73000	8221.40	123	68	1245 653140000
			HELL	185.185	720.314	2	66	1257 653160000
			AIR	141.104	165.367		61	1083 653180000
			GRD	0	11530	7	66	1245 653200000
			GRD	0	115130	15	66	1245 653220000
			AIR	23.8095	52.6119		61	1082 653240000
			AIR	0	46.3964		61	1084 653260000
			AIR	111.111	186.839		61	1082 653280000
			AIR	168.711	201.776		61	1083 653300000
			AIR	46.875	104.387		59	1070 653320000
			AIR	0	21.6298		61	1082 653340000

# HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 50 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRCE	REF NO
SOLENOID-FUEL			AIR	8.49565	32.8224		.115	61	1084 65334000
SOLENOID-FUEL			AIR	27.6073	43.5766		.326	61	1083 65338000
SOLENOID-FUEL-DUAL-PILOT.			MELI	20	151.07	120	.03	65	1215 65347000
MIL-F-8415-28VCC-C-60PSIG									
SOLENOID-FUEL-CUMF			AIR	149.773	240.592	76	.095	64	1266 65342000A
SOLENOID-FUEL-STARTING			AIR	28.5714	111.134	320	.035	61	1083 65344000
SOLENOID-FUEL-STARTING			MELI	28.5017	112.419	40	.0346	66	1257 65346000
SOLENOID-HYDROGEN-PEROXIDE			GRD	1.64666	4.4325C		1.2C	62	1136 65348000
SOLENOID-MULTI-APPLICATION			GRD	20.000	35107C	16	.0003C	66	1245 65350000A
SOLENOID-OPERATEL		(STORAGE)	MSL	.1			.003C	65	2440 65352000
SOLENOID-PILOT-OPERATED		THRUST-CHAMBER	SLM MSL		767.533C		.003C	62	1089 65354000
SOLENOID-POPPET			LAB	1.62256C	6.23349C	89	.624C	62	1085 65356000
SOLENOID-POPPET		LOX/SOX-PURGE	GRD	1052.63C	2801.21C	19	.0019C	66	1245 65358000A
SOLENOID-POPPET-GN2-24V		FILL/VENT	GRD	6923.07C	10927.6C	29	.0013C	66	1245 65360000A
SOLENOID-POPPET-2-WAY		LOX-TANK-CAPERA-ANTI-FUG	GRD	6666.66C	17741C	8	.0003C	66	1245 65362000A
SOLENOID-POPPET-2-WAY.			GRD		2558.44C	27	.0009C	66	1245 65364000A
2-POSITION.GN2.									
CALORIMETER-PURGE		RUDDER-FEEL-TRIM	AIR	58.9564	103.489		.10177	65	1188 65366000
SOLENOID-SELECTOR			AIR	125	278.366	62	.024	63	1111 65368000
SOLENOID-SELECTOR		HUDEN-FEEL	AIR	58.9564	103.489		.10177	66	1241 65370000
SOLENOID-SELECTOR.									
2-POSITION.3-WAY									
SOLENOID-SELECTOR.3-WAY			AIR	102.23	122.265	424	.538	64	1266 65372000A
SOLENOID-THREE-WAY			GRD	23			.00004C	65	219 65374000
SOLENOID-VENT			GRD		57565C		.00018C	66	2451 65378000
SOLENOID-VENT			GRD	27777.7C	51526.1C		.0016C	65	1171 65380000
SOLENOID-VENT-H2O2			GRD	1250C	1326.43C	28	.0002C	66	1245 65382000A
SOLENOID-VENT-POPPET.			GRD	25000C	46373.5C	5			
PRESSURE.GN2			LAB		11.513C		.20000C	64	2239 65384000
SOLENOID-WATER			GRD		10644.8C	4	.0005C	66	1245 65386000A
SOLENOID-2-WAY.2-POSITION.		COOLER-VENT							
LN2									
SOLENOID-28VDC		CABIN-HEATER	MELI	100	222.693	120	.03	65	1215 65388000
SOLENOID-CONTROL		CANOPY-SEAL-SYSTEM	AIR	4.82765	8.555	1194	1.0357	67	1272 65390000
SOLENOID-FIRE-EXTINGUISHER		FIRE-PROTECTION.727	AIR	70P				66	2365 65392000
SPEED			AIR	11.5317	15.2606	1716	1.9945	65	1201 65394000
SPEED-SENSITIVE		BASIC-ENGINE	AIR	1.79079	6.96567	708	.55841	65	1201 65396000
SPEED-SENSITIVE		COMPR/MIDFRAME-BASIC-ENGINE	AIR	30.0764	43.2413	400	.46548	65	1198 65398000
SPEED-SENSITIVE		COMPR/MIDFRAME-BASIC-ENGINE	AIR	32.258	85.8435	272	.062	63	1114 65400000
SPEED-SENSITIVE			AIR	32.7671	40.5542	244	.36622	65	1201 65402000
SPEED-SENSITIVE			AIR	36.9256	53.0885	400	.37914	65	1201 65404000
SPEED-SENSITIVE			AIR	40.1337	59.47	200	.299	63	1114 65406000
SPEED-SENSITIVE		COMPR/MIDFRAME-BASIC-ENGINE	AIR	41.2833	59.3536	200	.33912	63	1198 65408000
SPEED-SENSITIVE		COMPR/MIDFRAME-BASIC-ENGINE	AIR	48.1586	66.8728	408	.353	63	1114 65410000
SPEED-SENSITIVE		COMPR/MIDFRAME-BASIC-ENGINE	AIR	56.7536	220.754	64	.01762	65	1201 65412000

ROME AIR DEVELOPMENT CENTER, GAIPFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMT	PART POPU- LATION	PART HOURS	YR OF DATA	CRG#
PART DESCRIPTION								RPT SRCE	REF NO
.00 N.O.C.									
SPEED-SENSITIVE		COMPR/MIDFRAME-BASIC-ENGINE	AIR	61.0681	77.6743	200	.50763	65	1198 65414000
SPEED-SENSITIVE		TURBO-ENGINE	AIR	61.7501	77.4021	500	.5668	66	1277 65416000
SPEED-SENSITIVE		BASIC-ENGINE	AIR	68.1318	85.4013	528	.51371	65	1201 65418000
SPHERE-FILLED-VENT			GRD	2000C	5322.3C		.00100C	66	2MS1 65420000
SPOILER-CONTROL		FLIGHT-CONTROLS-880	AIR	80P				66	2365 65422000
SPOILER-CONTROL		FLIGHT-CONTROLS-707-131	AIR	140P				65	2364 65424000
SPOOL			LAB	6.9				63	1138 65426000
STARTER		STARTING-880	AIR	4814.81	5402.42	94	.027	61	1080 65428000
STARTER-SHUT-OFF		STARTING-880	AIR	290P				66	2360 65430000
STARTER-SHUT-OFF		STARTING-880	AIR	360P				65	2360 65432000
STARTER-SHUT-OFF		STARTING-707-131B	AIR	385P				66	2360 65434000
STARTER-SHUT-OFF		STARTING-880	AIR	80P				65	2362 65436000
STARTER-SHUT-OFF		STARTING-880	AIR	260P				66	2365 65438000
STARTER-SHUT-OFF		STARTING-880	AIR	280P				66	2365 65440000
STATIC-SELECTOR		NAVIGATION-880	AIR	440P				65	2365 65442000
STATIC-SELECTOR		NAVIGATION-880	AIR	140P				66	2360 65444000
STATIC-SELECTOR		NAVIGATION-880	AIR	150P				66	2363 65446000
STATIC-SELECTOR		NAVIGATION-880	AIR	160P				66	2365 65448000
STATIC-SELECTOR		NAVIGATION-707-331B	AIR	280P				66	2362 65450000
STATIC-SELECTOR		NAVIGATION-331C/374C	AIR	510P				66	2363 65452000
STATIC-SELECTOR		NAVIGATION-707-331	AIR	670P				66	2364 65454000
STATIC-SELECTOR		NAVIGATION-707-331	AIR	1250P				66	2364 65456000
STEERING-DISCONNECT		LANDING-GEAR-707-331B	AIR	190P				66	2364 65458000
STEERING-DISCONNECT		LANDING-GEAR-707-131	AIR	230P				66	2364 65460000
STEERING-DISCONNECT		LANDING-GEAR-707-331B	AIR	240P				66	2362 65462000
STEERING-DISCONNECT		LANDING-GEAR-707-331	AIR	340P				66	2362 65464000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	80P				66	2363 65466000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	130P				66	2363 65468000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	140P				66	2365 65470000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	160P				65	2365 65472000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	180P				65	2363 65474000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	220P				66	2360 65476000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	300P				66	2360 65478000
SUPERCARGER-DRIVE-SO		AIR-CONDIT-ENGINE-880	AIR	300P				66	2365 65480000
SURGE-DAMPING		HYDRAULIC-POWER-SUPPLY	AIR	15.7269	31.4286	150	.25434	63	1198 65482000
SURGE-DAMPING		HYDRAULIC-POWER-SUPPLY	AIR	17.7777	35.5268	100	.225	63	1114 65484000
SURGE-DAMPING		HYDRAULIC-POWER-SUPPLY	AIR	135.645	179.601	100	.16926	63	1114 65486000
SWING-CHECK-SKYDROL		HYDRAULIC-LANDING-GEAR-MAIN	AIR	140.939	189.156	100	.149	63	1114 65488000
SWING-CX-SKYDROL		HYDRAULIC-POWER-707-331	AIR	170P				66	2364 65490000
TAI-NOSE-COML-AIR		HYDRAULIC-POWER-707-331	AIR	130P				66	2361 65492000
TAI-NOSE-COML-AIR		AIR-707-131B	AIR	30P				66	2364 65494000
TAI-NOSE-COML-AIR		AIR-707-131B	AIR	80P				65	2362 65496000
TC-OIL-COOLER-REGULATOR		0TL-707-331	AIR	80P				66	2362 65498000
TEMPERATURE-CONTROL		AIR-CONDIT-ENGINE-707-331	AIR	340P				65	2362 65500000
TEMPERATURE-DATUM		FUEL-SYSTEM	AIR	3-58159	9.53116	708	.55041	65	1201 65502000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRO-IC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	923 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	PART POPULATION	PART LATION	HOURS	YR	CROSS OF DATA INDEX
PART DESCRIPTION										RPT SRCE REF NO
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	13.5372	17.9278	1716	1.9945		65	1201 65504000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	24.5753	38.7908	244	.36622		65	1201 65506000
TEMPERATURE-CATUM		TURBOPROP-T50-A7	AIR	42.8173	65.5498	481	.18684		65	1192 65508000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	64.5161	128.528	272	.062		63	1114 65510000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	77.3355	96.6272	400	.46548		65	1198 65512000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	122.661	144.939	528	.51361		65	1201 65514000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	205.720	238.918	400	.37914		65	1201 65516000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	236.392	266.52	200	.50763		65	1198 65518000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	274.787	314.111	408	.353		63	1114 65520000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	283.768	526.373	64	.01762		65	1201 65522000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	356.805	402.075	200	.33912		63	1198 65524000
TEMPERATURE-CATUM		FUEL-SYSTEM	AIR	361.204	409.951	200	.299		63	1114 65526000
TEST-PRESSURIZATION		AIR-CONDITIONING	AIR	*	9.07178	100	.25382		65	1198 65528000
TEST-PRESSURIZATION		AIR-CONDITIONING	AIR	*	13.5798	100	.16916		63	1198 65530000
TEST-PRESSURIZATION		AIR-CONDITIONING	AIR	*	23.2868	192	.09898		65	1227 65532000
TEST-PRESSURIZATION		AIR-CONDITIONING	AIR	*	9.89344	200	.23274		65	1198 65534000
TEST-PRESSURIZATION		AIR-CONDITIONING	AIR	*	13.9974	304	.1645		66	1250 65536000
TEST-PRESSURIZATION		INFRARED-SEARCH-AND-TRACK	AIR	158		1			66	2006 65538000
TEST-PRESSURIZATION			AIR	.054					65	2239 65540000
THRUST-RECOVERY		FUEL-SYSTEM	AIR	*	13.9975	304	.1645		66	1250 65542000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	40P					66	2361 65544000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	40P					66	2352 65546000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	40P					66	2364 65548000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	60P					66	2364 65550000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	80P					66	2362 65552000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	90P					66	2362 65554000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	90P					65	2364 65556000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	100P					65	2361 65558000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	100P					65	2364 65560000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	100P					65	2362 65562000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	110P					66	2364 65564000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	110P					66	2362 65566000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	140P					65	2364 65568000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	160P					65	2365 65570000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	210P					66	2364 65572000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	250P					66	2362 65574000
THRUST-RECOVERY		AIR-CONDITIONING-707-1318	AIR	310P					66	2364 65576000
THRUST-RECOVERY		EXHAUST-490	AIR	40P					66	2363 65578000
THRUST-RECOVERY		EXHAUST-490	AIR	50P					65	2363 65580000
THRUST-RECOVERY		EXHAUST-490	AIR	80P					65	2360 65582000
THRUST-RECOVERY		EXHAUST-490	AIR	40P					66	2363 65584000
THRUST-RECOVERY		EXHAUST-490	AIR	40P					66	2363 65586000
THRUST-RECOVERY		EXHAUST-490	AIR	50P					65	2362 65588000
THRUST-RECOVERY		EXHAUST-490	AIR	40P					66	2365 65590000
THRUST-RECOVERY		EXHAUST-490	AIR	40P					65	2365 65592000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	YR OF DATA	CROSS INDEX
PART DESCRIPTION							RPT SRCE	REF NO
00 N.O.C.								
TRANSFER		GROUND-SINGLE-POINT-REFUELING	AIR	5	30.6492	100	63 1138	65594000
TRANSFER		GROUND-SINGLE-POINT-REFUELING	AIR	5	45.8799	50	57 211	65596000
TRANSFER		GROUND-SINGLE-POINT-REFUELING	AIR	11.7952	51.8626	50	63 1198	65598000
TRANSFER		FUEL-SYSTEM	AIR	13.3333	26.7342	200	63 1114	65602000
TRANSFER		FUEL-SYSTEM	AIR	13.3779	27.3493	200	63 1114	65604000
TRANSFER		GROUND-SINGLE-POINT-REFUELING	AIR	14.744	17.1865	100	63 1198	65606000
TRANSFER		ENGINE-FUEL-SUPPLY	AIR	32.5	104.922	32	58 212	65610000
TRANSFER		ENGINE-FUEL-SUPPLY	AIR	111.111	432.188	43	57 211	65612000
TRANSFER		FUEL-SYSTEM-FORWARD-TANK	AIR	153.139	595.666	43	63 1123	65614000A
TRANSFER		AIR-REFUELING	AIR	216.216	351.208	128	59 1110	65616000
TRANSFER		BOMB-BAY-AUXILIARY	AIR	51.0464	198.555	129	66 1241	65620000A
TRANSFER		HYDRAULIC-DRIVE	AIR	35.034	78.0193		66 1241	65624000
TRANSFER		LOW-LEVEL-SOLENOID	AIR	174.367	239.816		66 1241	65626000
TRANSFER/LOW-LEVEL-SHUTOFF		WING-INGBOARD	AIR	45.7456	60.2004		66 1241	65628000
TRANSFER/LOW-LEVEL-SHUTOFF		WING-OUTBOARD	AIR	129.812	163.02		66 1241	65630000
TRUNNION-SHUTOFF		STEERING-SYSTEM	AIR	210P	48.2219	124	63 1111	65632000
TURBO-COMP.		AIR-CONDITIONING-707-331	AIR	230P			65 2364	65634000
TURBO-COMP.		AIR-CONDITIONING-707-131	AIR	300P			66 2364	65636000
TURBO-COMP.		AIR-CONDITIONING-707-131	AIR	420P			66 2364	65640000
TURBO-COMP.		AIR-CONDITIONING-707-331	AIR	560P			66 2364	65642000
TURBO-COMP.		AIR-CONDITIONING-707-131	AIR	730P			65 2364	65644000
TURBO-COMP.		AIR-CONDITIONING-707-331	AIR	340P			65 2362	65546000
TURBO-COMP.		AIR-CONDITIONING-707-331	AIR	410P			66 2362	65648000
TURBO-COMP.		AIR-CONDITIONING-707-131	AIR	610P			66 2362	65650000
TURBO-COMP.		AIR-CONDITIONING-707-131	AIR	660P			66 2362	65652000
TURBO-COMP.		AIR-CONDITIONING-707-331	AIR	900P			66 2362	65654000
TURBO-COMP.		AIR-CONDITIONING-707-131	AIR	1010P			65 2362	65656000





HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90% CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS RPT SRCE REF NO
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	20P				66	2362 6568000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	20P				66	2361 6566000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	20P				66	2361 6566700
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	30P				66	2362 6566400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	30P				66	2361 6566600
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	40P				65	2364 6561800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	40P				65	2362 6567000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	40P				65	2364 6567000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	40P				66	2362 6567400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	40P				65	2361 6567400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	50P				65	2362 6567800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	50P				65	2361 6568000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	50P				65	2362 6568200
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	50P				66	2364 6568400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	70P				65	2361 6568400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	70P				66	2361 6568800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	80P				65	2362 6569000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	100P				66	2362 6569000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	100P				66	2362 6569400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	100P				66	2364 6569400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	100P				66	2361 6569800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	130P				66	2362 6570000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	140P				66	2365 6570000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	150P				65	2361 6570400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	180P				65	2364 6570400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	180P				66	2361 6570800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	190P				66	2361 6571000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	300P				66	2361 6571200
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	400P				65	2361 6571400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	400P				66	2361 6571600
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	700P				65	2361 6571800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	900P				66	2361 6572000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	230P				66	2361 6572200
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	420P				66	2361 6572400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	440P				66	2361 6572400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	530P				65	2361 6572800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	680P				65	2361 6573000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	170P				66	2365 6573200
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	190P				66	2362 6573400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	190P				66	2364 6573600
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	190P				65	2363 6573800
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	270P				66	2364 6574000
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	290P				66	2362 6574200
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	330P				66	2360 6574400
TURBO-COMP-CHECK		AIR-CONDITIONING-707-1318	AIR	330P				66	2365 6574600

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 95 CONF LIMIT	PART POPULATION	PART LATION	FART HOURS	TR	CROSS	
										82 DATA	IMPCR
										RPT	SIZE REF NO
N.O.C.	TURBO-REGULATOR	AIR-CONDITIONING-707-1318	AIR	360P		66	2362	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-1318	AIR	370P		65	2362	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-3318	AIR	400P		66	2364	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-331C/373C	AIR	480P		66	2366	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-3318	AIR	560P		65	2364	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-1318	AIR	570P		66	2364	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-331C/373C	AIR	650P		65	2365	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-3318	AIR	730P		66	2362	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-3318	AIR	880P		65	2362	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-707-1318	AIR	900P		65	2364	6576000			
	TURBO-REGULATOR	AIR-CONDITIONING-331C/373C	AIR	1000P		65	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING	AIR	170P		66	2363	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	180P		66	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	340P		66	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	350P		66	2362	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	470P		66	2362	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	480P		66	2362	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	540P		66	2363	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	560P		65	2363	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	650P		66	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	740P		65	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	920P		66	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	990P		66	2362	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	1000P		65	2362	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	1120P		65	2362	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	1270P		65	2364	6576000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	110P		65	2361	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	170P		66	2360	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	170P		66	2363	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	170P		66	2365	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	340P		66	2361	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	370P		66	2361	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-3318	AIR	370P		66	2361	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	400P		66	2362	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	400P		65	2365	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-331C/373C	AIR	620P		65	2360	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	750P		65	2361	6500000			
	TURBO-SHUT-OFF	AIR-CONDITIONING-707-1318	AIR	840P		66	2361	6500000			
	VENT	SINGLE-POINT-REFUELING	AIR	0	9.07178	100		-25382			
	VENT	SINGLE-POINT-REFUELING	AIR	0	9.07178	200		-25382			
	VENT	TANK-FUEL-SYSTEM	AIR	0	9.09344	200		-23274			
	VENT	TANK-FUEL-SYSTEM	AIR	2.83286	11.0189	498		-353			
	VENT	TANK-FUEL-SYSTEM	AIR	5.6977	11.7838	400		-67823			
	VENT	SINGLE-POINT-REFUELING	AIR	5.09773	13.1338	300		-50967			
	VENT	SINGLE-POINT-REFUELING	AIR	6.66666	14.8462	300		-45			

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1: FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	523 VALVES	UPPER QC CONF LIMIT	PART POPUL- ATION	PART HOURS	Y2 OF DATA INDEX	Y2 RPT SREF REF NO								
PART DESCRIPTION	FUNCTIONAL APPLICATION	FAILURE RATE	ENVIRONMENT	ENVIRONMENT	FAILURE RATE	UPPER QC CONF LIMIT	PART POPULATION	PART HOURS	Y2 OF DATA INDEX	Y2 RPT SREF REF NO				
VENT	TANK-FUEL-SYSTEM	9.67779	AIR	AIR	9.67779	13.3448	400	595	63	1114	63030000			
VENT	TANK-FUEL-SYSTEM	9.64969	AIR	AIR	9.64969	18.2705	200	50763	63	1198	63040000			
VENT	FUELING	63.063	AIR	AIR	63.063	90.6666	1260	222	63	1080	63040000			
VENT	F-AND-T-TANK	235.714	AIR	AIR	235.714	297.328	1200	14	63	1090	63040000			
VENT		609.523	AIR	AIR	609.523	1124.1		621	63	1082	63040000			
VENT		0	AIR	AIR	0	328.942		607	63	1082	63040000			
VENT-AIR-BREATHER		6.13496	AIR	AIR	6.13496	12.26		652	63	1083	63050000			
VENT-AIR-BREATHER	TURBOJET-J-65	4.3756	AIR	AIR	4.3756	17.0197	943	22454	63	1228	63050000			
VENT-AIR-LEAKAGE	TURBOJET-J-65	19.6347	AIR	AIR	19.6347	52.2511	312	10196	64	1179	63050000			
VENT-AIR-LEAKAGE	AIR-CONDITIONING-FLIGHT-DECK	7.8796	AIR	AIR	7.8796	30.6492	50	12641	63	1198	63050000			
VENT-AUXILIARY	AIR-CONDITIONING-FLIGHT-DECK	23.5964	AIR	AIR	23.5964	62.7777	50	68478	63	1198	63050000			
VENT-AUXILIARY	AIR-CONDITIONING-FLIGHT-DECK	76.6666	AIR	AIR	76.6666	70.964	50	675	63	1114	63060000			
VENT-AUXILIARY	AIR-CONDITIONING-FLIGHT-DECK	34.3731	AIR	AIR	34.3731	68.6908	100	11637	63	1198	63060000			
VENT-AUXILIARY	AIR-CONDITIONING-CARGO-COMPARTMENT	66.6666	AIR	AIR	66.6666	259.312	68	615	63	1114	63060000			
VENT-AUXILIARY	AIR-CONDITIONING-FLIGHT-DECK	66.6666	AIR	AIR	66.6666	259.312	68	615	63	1114	63060000			
VENT-AUXILIARY	AIR-CONDITIONING-CARGO-COMPARTMENT	70.7714	AIR	AIR	70.7714	124.228	90	68478	63	1198	63060000			
VENT-AUXILIARY	AIR-CONDITIONING-CARGO-COMPARTMENT	136.143	AIR	AIR	136.143	202.063	102	688	63	1114	63070000			
VENT-AUXILIARY	AIR-CONDITIONING-CARGO-COMPARTMENT	145.712	AIR	AIR	145.712	204.161	50	12691	63	1198	63070000			
VENT-AUXILIARY	AIR-CONDITIONING-CARGO-COMPARTMENT	189.032	AIR	AIR	189.032	231.957	100	11637	63	1198	63070000			
VENT-DIVE	FUEL-SYSTEM	0	AIR	AIR	0	6.71684	1419	34281	63	1228	63070000			
VENT-DIVE	FUEL-SYSTEM	7.72999	AIR	AIR	7.72999	11.4453	1791	26298	64	1179	63070000			
VENT-FILL-BUILDUP	CARGO-COMPARTMENT-OXYGEN-SYSTEM	67.4217	AIR	AIR	67.4217	125.063	144	15536	67	1272	63080000			
VENT-FILL-BUILDUP	FLIGHT-STATION-OXYGEN-SYSTEM	323.624	AIR	AIR	323.624	525.675	48	67416	63	1227	63080000			
VENT-FILL-BUILDUP	CARGO-COMPARTMENT-OXYGEN-SYSTEM	454.327	AIR	AIR	454.327	585.752	228	62472	63	1227	63080000			
VENT-FILL-BUILDUP	FLIGHT-STATION-OXYGEN-SYSTEM	972.526	AIR	AIR	972.526	1200.83	76	1234	64	1250	63080000			
VENT-FILL-BUILDUP		1029.17	AIR	AIR	1029.17	1088.6	597	64113	64	1250	63080000			
VENT-FLOAT-OPERATED		35.2831	AIR	AIR	35.2831	43.8131	848	51789	67	1272	63080000			
VENT-FUEL	TANK-WING	108.61	AIR	AIR	108.61	126.925		21332	64	1044	63090000			
VENT-FUEL	TANK-WING	917.431	GRD	GRD	917.431	3588.53	17	1077	64	1266	63090000			
VENT-FUEL		917.431	GRD	GRD	917.431	3588.53	17	64292	64	1241	63090000			
VENT-MELTUP		917.431	GRD	GRD	917.431	3588.53	17	62109	62	1113	63090000			
VENT-MANUAL-MELTUP		0	LAB	LAB	0	767.533C	5	60199	62	1113	63090000			
VENT-POCKET-PNEUMATIC-OVERRIDE	FUEL-FILL/CRANK	1466.66C	GRD	GRD	1466.66C	2213.08C	30	932C	62	1085	63090000			
VENT-RELIEF-ARC-ANTI-G		71.4285	AIR	AIR	71.4285	132.495	648	6075C	63	1243	63090000			
VENT-AND-BUILD-UP-OXYGEN		1020	AIR	AIR	1020	1854.94	16	6075C	63	1110	63090000			
VENT-AND-RELIEF		5.7	LAB	LAB	5.7			63	1138	63090000	63	1138	63090000	
VENT-FLOAT	FUEL-SYSTEM	0	AIR	AIR	0	64.3004	93	63581	63	1111	63090000			
VENT-FLOAT	WING-FUEL-SYSTEM	418.935	AIR	AIR	418.935	645.439	62	62387	63	1111	63090000			
VENT-STRS-CORR	DOORS-727	1909	AIR	AIR	1909			64	2360	63090000	64	2360	63090000	
WARM-AIR-MODULATING-J-60-72-INCH	AIR-CONDITIONING-SYSTEM	673.4	AIR	GRD	673.4	1345.71		60594	62	2320	63090000	62	2320	63090000
WATER-FILL-OVERFLOW	WATER/WASTE-727	300P	AIR	AIR	300P			63	2365	63090000	63	2365	63090000	
WATER-FILL-OVERFLOW	WATER-WASTE-727	340P	AIR	AIR	340P			64	2363	63090000	64	2363	63090000	

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 625 VALVES

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LMTY	PART POPU- LATION	YR OF DATA	CROSS INDEX
WATER-FILL-OVERFLEN	WATER/WASTE.727	AIR	1100P				
WATER-INJECTION	WATER-INJECTION.707-131	AIR	60P			65 2368 65924000	
WATER-INJECTION	WATER-INJECTION.707-131	AIR	70P			66 2364 65924000	
WATER-INJECTION	WATER-INJECTION.707-131	AIR	80P			65 2364 65924000	
WATER-INJECTION	WATER-INJECTION.707-131	AIR	230P			65 2362 65939000	
WATER-INJECTION-CHECK	WATER-INJECTION.707-131	AIR	60P			66 2362 65932000	
WATER-INJECTION-CHECK	WATER-INJECTION.707-131	AIR	70P			66 2362 65932000	
WATER-INJECTION-CONTROL	WATER-INJECTION.707-131	AIR	200P			65 2361 65938000	
WATER-INJECTION-CONTROL	WATER-INJECTION.707-131	AIR	600P			65 2362 65940000	
WATER-INJECTION-CONTROL	WATER-INJECTION.707-131	AIR	1230P			65 2364 65942000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	170P			66 2361 65944000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	170P			66 2361 65944000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	220P			66 2361 65946000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	280P			66 2364 65948000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	520P			65 2361 65952000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	610P			65 2364 65954000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	230P			66 2362 65956000	
WATER-INJECTION-SHUT-OFF	WATER-INJECTION.707-131	AIR	490P			66 2362 65958000	
WATER-PRESSURE-SENSING-DRN	WATER-INJECTION.707-131	AIR	530P			65 2362 65960000	
WATER-TANK	WATER/WASTE.707-131	AIR	60P			66 2361 65962000	
WINDSHIELD-SB-ISOLATION	ICE-AND-RAIN-PROTECTION.88C	AIR	300P			65 2362 65964000	
WINDSHIELD-SB-ISOLATION	ICE-AND-RAIN-PROTECTION.88C	AIR	170P			66 2363 65966000	
WING-FLAP-CONTROL	FLIGHT-CONTROLS.707-131	AIR	360P			65 2363 65968000	
WING-ISOLATION	AIR-CONDITIONING.88C	AIR	230P			66 2364 65970000	
WING-ISOLATION	AIR-CONDITIONING.88C	AIR	70P			66 2360 65972000	
WING-ISOLATION	AIR-CONDITIONING.88C	AIR	80P			66 2363 65974000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	150P			66 2360 65976000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	170P			66 2363 65978000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	70P			66 2362 65980000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	70P			66 2364 65982000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	70P			65 2364 65984000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	70P			66 2364 65986000	
WING-LE-FLAP-AND-DR-CONTROL	FLIGHT-CONTROLS.707-131B	AIR	110P			66 2362 65988000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	130P			66 2361 65990000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	20P			66 2363 65992000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	20P			66 2361 65994000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	20P			66 2361 65996000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	30P			66 2364 65998000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	30P			66 2364 66000000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	40P			66 2364 66002000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	40P			66 2361 66004000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	40P			66 2361 66006000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	40P			66 2362 66008000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	50P			66 2361 66010000	
WING-THERMAL-ANTI-ICE	ICE-AND-RAIN-PROTECTION.707-131B	AIR	50P			66 2362 66012000	

-CO N.E.C.



ROME AIR DEVELOPMENT CENTER, GEFFISS AFB, N.Y.  
 SECTION I FAILURE RATE DATA  
 NON-ELECTRONIC PART FAILURE RATE DATA  
 JANUARY 1964

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART LATION	PART HOURS	YR DATA	CROSS
PART DESCRIPTION								RPT	INDEX
								SRCE	REF NO
60 HYDRAULIC									
ANTI-SKID									
ARRIVING		LOCK-ACTUATING-CARGO-RAMP	AIR	0	93.1472	48	-02472	65	1227 66084000
BLEEDER		ARRIVING-STALL-WARNING-SYSTEM	AIR	0	44.5734	94	-04944	65	1227 66084000
BLEEDER		MANIFOLD-LANDING-GEAR	AIR	6.07902	16.1772	600	.325	66	1250 66084000A
BLEEDER		BRAKE-EMERGENCY-WING-FLAP-ASSEMBLY	AIR	11.1952	45.8799	95	-05478	65	1198 66090000
BLEEDER		BRAKE-EMERGENCY-WING-FLAP-ASSEMBLY	AIR	13.3333	31.4626	58	-075	63	1114 66092000
BLEEDER		BRAKE-EMERGENCY-WING-FLAP-ASSEMBLY	AIR	15.7571	41.9375	50	-12691	65	1198 66094000
BLEEDER		BOOST-IRREVERSIBLE	MELT	19.2678	51.2745	129	-1036	64	1257 66096000
BLEEDER		BRAKE-EMERGENCY-WING-FLAP-ASSEMBLY	AIR	22.7272	60.4806	102	.088	63	1114 66098000
BLEEDER		BRAKE-EMERGENCY-WING-FLAP-ASSEMBLY	AIR	25.7798	57.4099	100	-11637	65	1198 66102000
BLEEDER		BOOST-IRREVERSIBLE	MELT	26.3157	102.34	120	.038	64	1257 66102000
BLEEDER		NOSE-EXTENSION-EMERGENCY	AIR	31.5183	62.9839	90	-12691	65	1198 66104000
BLEEDER		ANTI-SKID-BRAKE-LANDING-GEAR	AIR	35.3857	62.1142	100	-16954	63	1198 66106000
BLEEDER		SEQUENCE-DOOR-PROBE-ATR-REFUEL	AIR	38.2848	148.916	172	-02612	64	1240 66108000A
BLEEDER		ANTI-SKID-BRAKE-LANDING-GEAR	AIR	39.3979	30.3991	100	-25382	65	1198 66110000
BLEEDER		ANTI-SKID-LANDING-GEAR	AIR	39.7727	66.8801	204	.175	63	1114 66112000
BLEEDER		NOSE-EXTENSION-EMERGENCY	AIR	40	89.0773	50	.075	63	1114 66114000
BLEEDER		ANTI-SKID-LANDING-GEAR	AIR	40.2684	70.6852	100	.149	63	1114 66116000
BLEEDER		PRIORITY-WING/TAI-FOLD	AIR	51.0464	198.925	129	-01929	64	1240 66118000A
BLEEDER		DOOR-BOMB-NAVIGATION-SYSTEM	AIR	55.8503	148.726	53	-03581	63	1111 66120000
BLEEDER		ANTI-SKID-BRAKE-LANDING-GEAR	AIR	55.8563	81.4554	262	-23274	65	1198 66122000
BLEEDER		LOCK-ACTUATING-CARGO-RAMP	AIR	72.9394	162.431	76	-04113	64	1250 66124000A
BLEEDER		SHUTTLE-BRAKE-WHEEL	AIR	74.5696	297.833	84	-01304	64	1240 66126000A
BLEEDER		ANTI-SKID-LANDING-GEAR	AIR	96.7741	215.90	134	-031	63	1114 66128000
BLEEDER		ANTI-SKID-LANDING-GEAR	AIR	11.245	167.861	192	-09888	65	1227 66130000
BLEEDER		PRIORITY-LANDING-GEAR	AIR	136.453	158.36		-476	65	2122 66132000
BLEEDER		STEERING-WHEEL	AIR	153.139	407.526	68	-01304	66	1240 66134000A
BLEEDER		TAB-LOCKOUT-AILERON-CONTROL-SYSTEM	AIR	159.707	329.614	404	-08764	64	1179 66136000
BLEEDER		TAB-LOCKOUT-AILERON-CONTROL	AIR	202.265	311.623	96	-04944	65	1227 66138000
BLEEDER		DRIVE-CONTROL-SEPER	AIR	218.818	300.951	192	-08226	66	1250 66140000A
BLEEDER		AFTERBURNER-IGNITOR	AIR	243.993	450.647	172	-02812	64	1250 66142000A
BLEEDER		BRAKE	AIR	328.75	414.962		-10038	63	1123 66144000A
BLEEDER		PRIORITY-LANDING-GEAR	AIR	458.418	1023.09	43	-00453	64	1240 66146000A
BLEEDER		STEERING-WHEEL	AIR	463.157	564.131		-095	63	2120 66148000
BLEEDER		RELAY-BRAKE	AIR	463.768	547.264		-138	59	1078 66150000
BLEEDER		LANDING-GEAR	AIR	675.675	767.867	648	-111	61	1026 66152000A
BLEEDER		STALL-WARNING-SYSTEM	AIR	82.5231	71.5254	324	-1452	64	1250 66154000
BLEEDER		RUDDER-ASSEMBLY	AIR	0	27.9917	152	-08226	66	1250 66156000
BLEEDER		AILERON-SYSTEM	AIR	0	18.1435	58	-12691	65	1198 66158000
BLEEDER		STEERING-LANDING-GEAR	AIR	0	27.1597	50	-08478	63	1198 66160000
BLEEDER		RUDDER-ASSEMBLY	AIR	0	8.78992	200	-33912	63	1198 66162000
BLEEDER		WING-FLAP-ASSEMBLY	AIR	0	27.1597	50	-38478	63	1198 66164000
BLEEDER		AILERON-SYSTEM	AIR	0	9.89344	200	-23274	65	1198 66166000
BLEEDER		WING-FLAP-ASSEMBLY	AIR	0	18.1435	50	-12691	65	1198 66168000
BLEEDER		ELEVATOR-ASSEMBLY	AIR	0	9.07178	100	-25382	65	1198 66170000
BLEEDER		ELEVATOR-ASSEMBLY	AIR	0	18.1435	50	-12691	65	1198 66172000

ADP AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	925 VALVES																	
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF DATA	CROSS INDEX	RPT SRCE	REF NO								
BLEEDER	LANDING-GEAR-NOSE	AIR	1.90839	7.42369	350	.924	63	1114	66174000									
BLEEDER	STEERING-LANDING-GEAR	AIR	1.96993	7.66247	200	.90763	63	1198	66176000									
BLEEDER	LANDING-GEAR	AIR	2.14829	5.71694	800	.93057	63	1199	66178000									
BLEEDER	STEERING-LANDING-GEAR	AIR	2.82246	11.61185	408	.353	63	1114	66180000									
BLEEDER	LANDING-GEAR-NOSE	AIR	3.37612	8.9684	350	.59345	63	1198	66182000									
BLEEDER	LANDING-GEAR	AIR	5.91958	10.3733	400	1.0153	63	1198	66184000									
BLEEDER	LANDING-GEAR	AIR	7.8215	12.1365	816	.766	63	1114	66186000									
BLEEDER	ELEVATOR-ASSEMBLY	AIR	11.7992	45.8759	50	.08478	63	1198	66188000									
BLEEDER	ELEVATOR-ASS-PFLY	AIR	13.3333	51.8626	50	.075	63	1114	66190000									
BLEEDER	LANDING-GEAR-MAIN	AIR	15.7589	27.1132	400	1.0153	63	1198	66192000									
BLEEDER	LANDING-GEAR-MAIN	AIR	16.3214	24.6263	450	.676	63	1114	66194000									
BLEEDER	LANDING-GEAR-MAIN	AIR	16.5971	24.1863	816	.706	63	1114	66196000									
BLEEDER	LANDING-GEAR-MAIN	AIR	17.0277	24.8462	450	1.26201	63	1198	66198000									
BLEEDER	LANDING-GEAR-NOSE	AIR	21.5353	57.229	428	.593	63	1114	66200000									
BLEEDER	WING-FLAP-ASSEMBLY	AIR	26.7558	13.4895	200	.289	63	1114	66202000									
BLEEDER	WING-FLAP-ASSEMBLY	AIR	26.488	45.4312	200	.63912	63	1198	66204000									
BLEEDER	LANDING-GEAR-NOSE	AIR	31.5322	41.9922	600	.69823	63	1198	66206000									
BLEEDER	LANDING-GEAR-NOSE	AIR	36.4242	48.8521	300	.7145	63	1198	66208000									
BLEEDER	LANDING-GEAR-NOSE	AIR	41.2833	59.3536	200	.33912	63	1198	66210000									
BLEEDER	LANDING-GEAR	AIR	43.4782	67.4445	200	.239	63	1114	66212000									
BLEEDER	LANDING-GEAR	AIR	44.3821	60.6886	612	.199	63	1114	66214000									
BLEEDER	LANDING-GEAR-MAIN	AIR	64.4496	91.4857	200	.23274	63	1198	66216000									
BLEEDER	LANDING-GEAR-MAIN	AIR	64.5161	171.687	136	.131	63	1114	66218000									
BLEEDER	LANDING-GEAR-727	AIR	9.0				63	2361	66220000									
BLEEDER	LANDING-GEAR-727	AIR	9.0				63	2361	66222000									
BLEEDER	LANDING-GEAR-727	AIR	12.0				63	2361	66224000									
BLEEDER	LANDING-GEAR-727	AIR	20.0				63	2361	66226000									
BLEEDER	LANDING-GEAR-727	AIR	14.0				63	2361	66228000									
BLEEDER	LANDING-GEAR-727	AIR	43.0				63	2361	66230000									
BLEEDER	LANDING-GEAR-727	AIR	11.0				63	2361	66232000									
BLEEDER	LANDING-GEAR-727	AIR	122.0				63	2361	66234000									
BLEEDER	THROUST-REVERSE-SYSTEM	AIR	13.9975	304		.1645	63	1250	66236000									
BLEEDER	PITCH-TRIP-ACTUATOR	AIR	55.9834	76		.04113	63	1250	66238000									
BLEEDER	FLUID-CONTROL-SYSTEM	AIR	27.5917	152		.08226	63	1250	66240000									
BLEEDER	FLUID-CONTROL-SYSTEM	AIR	27.5917	152		.08226	63	1250	66242000									
BLEEDER	FLUID-CONTROL-SYSTEM	AIR	46.5736	96		.04944	63	1227	66244000									
BLEEDER	THROUST-REVERSE-SYSTEM	AIR	23.2868	192		.09888	63	1227	66246000									
BLEEDER	FLUID-CONTROL	AIR	13.5798	100		.16936	63	1198	66248000									
BLEEDER	PITCH-TRIP-ACTUATOR	AIR	93.1472	48		.02472	63	1227	66250000									
BLEEDER	FLUID-CONTROL-SYSTEM	AIR	46.5736	96		.04944	63	1227	66252000									
BLEEDER	STEERING-NOSE WHEEL	AIR	8.7112	34.0395	473	.11427	63	1227	66254000									
BLEEDER	STEERING-NOSE WHEEL	AIR	22.8154	60.7152	406	.08766	63	1198	66256000									
BLEEDER	STEERING-NOSE WHEEL	AIR	28.5636	41.1137	597	.51789	63	1227	66258000									
BLEEDER	STEERING-NOSE WHEEL	AIR	204.46	231.78		.538	63	2115	66260000									
BLEEDER	HYDRAULIC-POWER-707.331	AIR	4365				63	2361	66262000									

TEXT NOT REPRODUCIBLE

HOME AIR DEVELOPMENT CENTER, CAIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	925 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								REF	
200 HYDRAULIC									
BYPASS-MANUAL		CRUISE-DROOP-WING	AIR	36.2518	67.2879		.138	59 1070	66264000
BYPASS-3-WAY		LAND-OROP-WING	AIR	7.79009	20.7327		.25671	63 1123	66266000
BYPASS-3-WAY		DOPO-NAVIGATION-SYSTEM	AIR	7.79009	20.7327		.25671	63 1123	66266000
CHECK		LANDING-GEAR-MOSE	AIR		192.847	31	.01194	63 1111	66279000
CHECK		THRUST-REVERSER-SYSTEM	AIR		46.5736	46	.04944	63 1227	66272000
CHECK		LANDING-GEAR-MAIN	AIR		11.6434	384	.12776	65 1227	66274000
CHECK		HORIZONTAL-STABILIZER	AIR		23.2888	192	.09888	63 1227	66276000
CHECK		RUDDER-ASSEMBLY	AIR		13.1336	812	.17532	64 1179	66278000
CHECK		VISC-DAMPING-CYL-SERV	AIR		13.5798	100	.16956	63 1198	66280000
CHECK		RUDDER-ASSEMBLY	AIR		23.1719		.09937	63 1123	66282000
CHECK		OXYGEN-SUPPLY	AIR		4.53596	200	.50763	65 1198	66284000
CHECK		HORIZONTAL-STABILIZER	AIR		64.3004	93	.03981	63 1111	66286000
CHECK		SPEED-BRAKE-SYSTEM	AIR		10.0752	946	.22854	65 1228	66288000
CHECK		REFUELING-SYSTEM	AIR		13.1336	812	.17532	64 1179	66290000
CHECK		SPEED-BRAKE-SYSTEM	AIR		192.647	31	.01194	63 1111	66292000
CHECK		ELEVATOR-ASSEMBLY	AIR		10.0752	946	.22854	65 1228	66294000
CHECK		SLEEPING-MOSEWHEEL	AIR		9.89344	200	.23274	65 1158	66296000
CHECK		THRUST-REVERSER-SYSTEM	AIR		20.1505	473	.11427	65 1228	66298000
CHECK		LANDING-GEAR-MAIN	AIR		6.99878	608	.329	66 1250	66300000
CHECK		LANDING-GEAR-MOSE	AIR		13.9973	304	.1645	66 1250	66302000
CHECK		LANDING-GEAR-MOSE	AIR		27.9917	152	.08226	66 1250	66304000
CHECK		HORIZONTAL-STABILIZER	AIR		3.75562	1194	.10357	67 1272	66306000
CHECK		SPEED-BRAKE-SYSTEM	AIR		3.75562	1194	.10357	67 1272	66308000
CHECK		RUDDER-ASSEMBLY	AIR		2.14832	400	.40548	65 1198	66310000
CHECK		WING-FLAP-ASSEMBLY	AIR		4.29664	200	.23274	65 1198	66312000
CHECK		WING-FLAP-ASSEMBLY	AIR		5.89761	100	.16956	63 1198	66314000
CHECK		WING-FLAP-ASSEMBLY	AIR		6.7114	100	.149	63 1114	66316000
CHECK		STEERING-MOSEWHEEL	AIR		11.4077	406	.08766	64 1179	66318000
CHECK		LANDING-GEAR-MAIN	AIR		11.7952	100	.16956	63 1198	66320000
CHECK		LANDING-GEAR-MOSE	AIR		11.7952	50	.08478	63 1198	66322000
CHECK		LANDING-GEAR-MOSE	AIR		13.3533	50	.075	63 1114	66324000
CHECK		LANDING-GEAR-MAIN	AIR		13.4228	100	.149	63 1114	66326000
CHECK		LANDING-GEAR-MAIN	AIR		22.7272	204	.176	63 1114	66328000
CHECK		LANDING-GEAR-MAIN	AIR		27.5785	100	.25382	65 1198	66330000
CHECK		WING-FLAP-ASSEMBLY	AIR		31.5183	50	.12691	65 1198	66332000
CHECK		RUDDER-PELAL	AIR		40.453	48	.02472	65 1227	66334000
CHECK		WING-FLAP-ASSEMBLY	AIR		45.4545	102	.088	63 1114	66336000
CHECK		PRESSURE-DISTRIBUTION	AIR		70.6721	50	.02838	64 1144	66338000
CHECK		RUDDER-PELAL	AIR		83.7754	279	.10743	63 1111	66340000
CHECK		HYDRAULIC-POWER-727	AIR		170.192	76	.04113	66 1250	66342000
CHECK		HYDRAULIC-POWER-707.3318	AIR		189.591	1540	.269	61 1080	66344000
CHECK		HYDRAULIC-POWER-727	AIR		76.5696	86	.01306	66 1240	66346000
CHECK		HYDRAULIC-POWER-707.3318	AIR		1109		.00653	66 2361	66348000
CHECK		SPEED-BRAKE	AIR		260P		.00653	66 1240	66350000
CHECK		CONTROL	AIR		352.618	43	.00653	66 1240	66352000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 525 VALVES

UPPER PART YR CROSS  
SC CONF POPS OF DATA INDEX  
LIMIT LATION HOURS RPT SRCE REF NO

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

SC CONF POPS  
LIMIT LATION

PART YR  
HOURS RPT SRCE

CROSS  
OF DATA INDEX

HYDRAULIC

CONTROL	EMERGENCY-PRESSURE-CIST	AIR	0	32.1502	186	.07162	63	1111	66354000
CONTROL	LANDING-GEAR-MAIN	AIR	0	9.89344	200	.23274	65	1198	66356000
CONTROL	LANDING-GEAR-MAIN	AIR	15.7591	41.9375	50	.12691	65	1198	66358000
CONTROL	LANDING-GEAR-MAIN	AIR	14.2074M	43.0421M	15	.0617M	66	1255	66360000
CONTROL	LANDING-GEAR-MAIN	AIR	22.7272	60.4806	102	.08M	63	1114	66362000
CONTROL	LANDING-GEAR-MAIN	AIR	23.5904	62.7777	50	.08478	63	1198	66364000
CONTROL	LANDING-GEAR-MAIN	AIR	20.5666	70.965	50	.174	63	1114	66366000
CONTROL	EMERGENCY-AC-POWER	AIR	57.1428	152.765	320	.035	61	1080	66368000
CONTROL	SPEED-BRAKE-SYSTEM	AIR	78.7608	124.315	473	.1427	65	1224	66370000
CONTROL	DUAL-BRAKE-LANDING-GEAR	AIR	92.4945	128.875	100	.25382	65	1198	66372000
CONTROL	DUAL-BRAKE-LANDING-GEAR	AIR	172.994	147.173	204	.176	63	1114	66374000
CONTROL	DUAL-BRAKE-LANDING-GEAR	AIR	117.952	155.401	100	.16956	63	1198	66376000
CONTROL	DUAL-BRAKE-LANDING-GEAR	AIR	120.335	155.322	200	.23274	65	1198	66378000
CONTROL	SPEED-BRAKE-SYSTEM	AIR	121.647	143.741	597	.51789	67	1272	66380000
CONTROL	DUAL-BRAKE-LANDING-GEAR	AIR	127.516	173.842	100	.149	63	1114	66382000
CONTROL	STEERING-LANDING-GEAR	AIR	133.333	354.82	48	.015	63	1114	66384000
CONTROL	SPEED-BRAKE-SYSTEM	AIR	148.3	214.266	406	.0760	64	1276	66386000
CONTROL	AIR-COMPRESSOR-SYSTEM	AIR	153.139	595.666	43	.07653	66	1240	66388000
CONTROL	HYDRAULIC-PAVE	AIR	153.636	258.25	320	.055	61	1080	66390000
CONTROL	STEERING-LANDING-GEAR	AIR	156.989	257.751	50	.12691	65	1198	66392000
CONTROL	STEERING-LANDING-GEAR	AIR	214.832	281.056	100	.11637	65	1198	66394000
CONTROL	STEERING-LANDING-GEAR	AIR	227.272	307.33	107	.08M	63	1114	66396000
CONTROL	STEERING-LANDING-GEAR	AIR	448.218	556.578	50	.08478	63	1198	66398000
CONTROL	STEERING-LANDING-GEAR	AIR	493.333	614.441	50	.275	63	1114	66400000
CONTROL	WINGFLU	AIR	612.557	955	84	.51328	66	1240	66402000
CONTROL	SPEED-BRAKE	AIR	1309.09	1559.84	320	.055	61	1080	66404000
CONTROL	COMPLEX-ACTUATION	AIR	3.22P				65	2590	66406000
CONTROL	COMPLEX-ACTUATION	AIR	1.59P				65	2590	66408000
CONTROL	COMPLEX-ACTUATION	AIR	2.16P				65	2590	66410000
CONTROL	COMPLEX-ACTUATION	AIR	3.03P				65	2590	66412000
CONTROL	COMPLEX-ACTUATION	AIR	5.7P				65	2590	66414000
CONTROL	COMPLEX-ACTUATION	AIR	.92P				65	2590	66416000
CONTROL	COMPLEX-ACTUATION	AIR	3.19P				65	2590	66418000
CONTROL	PITCH-TRIM-ACT	AIR	121.359	270.258	48	.02472	65	1277	66420000
CONTROL	PITCH-TRIM-ACTUATION	AIR	121.565	225.497	76	.04113	65	1250	66422000
CONTROL	HYDRAULIC-ACTUATION	AIR	.16P				65	2590	66424000
CONTROL	HYDRAULIC-ACTUATION	AIR	.64P				65	2590	66426000

**TEXT NOT REPRODUCIBLE**

ARMED AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

### NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	529 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	FAILURE	UPPER 90 CONF LIMIT	PART LAYON	PART HOURS	YR OF DATA INDEX	CRSS RPT SAGE REF NO
PART DESCRIPTION									
HYDRAULIC									
CONTROL-HYDRAULIC- ACTUATION-BRAKE-SHUTTLE			AIR	-26P				65	2590 66428000
CONTROL-HYDRAULIC- ACTUATION-SPLIT			AIR	.08P				65	2590 66430000
CONTROL-HYDRAULIC- ACTUATION-SPLIT			AIR	.11P				65	2590 66432000
CONTROL-HYDRAULIC- ACTUATION-SPLIT			AIR	.12P				65	2590 66434000
CONTROL-HYDRAULIC- ACTUATION-SPLIT			AIR	.36P				65	2590 66436000
CONTROL-HYDRAULIC- ACTUATION-SPLIT			AIR	.68P				65	2590 66438000
CONTROL-HYDRAULIC- ACTUATION-SPLIT			AIR	.18P				65	2590 66440000
CONTROL-LEADING-EDGE FLAP-FLAP			AIR	.1092	151.957			66	1263 66442000
CONTROL-MANUAL-ACTUATION FLAP-FLAP			AIR	.9P				65	2590 66444000
CONTROL-MANUAL-ACTUATION FLAP-FLAP			AIR	.95P				65	2590 66446000
CONTROL-MANUAL-ACTUATION FLAP-FLAP			AIR	.12P				65	2590 66448000
CONTROL-MANUAL-ACTUATION FLAP-FLAP			AIR	.12P				65	2590 66450000
CONTROL-MANUAL-ACTUATION FLAP-FLAP			AIR	.12P				65	2590 66452000
CONTROL-MANUAL-ACTUATION FLAP-FLAP			AIR	.12P				66	1364 66456000
CONTROL-2-WAY-NOSE LANDING-GEAR			AIR	.51P				65	2365 66458000
CONTROL-3-WAY-NOSE LANDING-GEAR			AIR	.51P				65	2365 66458000
FLIGHT-CONTROL-331C/373C			AIR	.51P				66	2363 66460000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66462000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66464000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66466000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66468000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66470000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66472000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66474000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66476000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66478000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66480000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66482000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66484000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66486000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66488000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66490000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66492000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66494000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66496000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66498000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66500000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66502000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66504000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66506000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66508000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66510000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66512000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66514000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66516000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66518000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66520000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66522000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66524000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66526000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66528000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66530000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66532000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66534000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66536000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66538000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66540000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66542000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66544000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66546000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66548000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66550000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66552000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66554000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66556000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66558000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66560000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66562000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66564000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66566000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66568000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66570000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66572000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66574000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66576000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66578000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66580000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66582000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66584000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66586000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66588000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66590000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66592000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66594000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66596000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66598000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66600000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66602000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66604000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66606000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66608000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66610000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66612000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66614000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66616000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66618000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66620000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66622000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66624000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66626000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66628000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66630000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66632000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66634000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66636000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66638000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66640000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66642000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66644000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66646000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66648000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66650000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66652000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66654000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66656000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66658000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66660000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66662000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66664000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66666000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66668000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66670000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66672000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66674000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66676000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66678000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66680000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66682000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66684000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66686000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66688000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66690000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66692000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66694000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66696000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66698000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66700000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66702000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66704000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66706000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66708000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66710000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66712000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66714000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66716000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66718000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66720000
FLIGHT-CONTROL-331C/373C			AIR	.51P				65	2363 66722000
FLIGHT-CONTROL-331C/373C									

8951 ABRISNYT

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 90 CNF LIMIT	PART POPUL- LATION	YR OF DATA RPT SACE REL N2	CROSS INDEX
60 HYDRAULIC							
	FLAP-LOCK	FLIGHT-CONTROLS, 707-331B	AIR	2LP		65 2364	6549000
	FUEL-OIL-SHUTOFF-		AIR	.10P		65 2590	6549000
	ON-CONTROL-PNEU-ACTUATION,						
	ACCELERATION						
	FUEL-YR-OIL-SHUTOFF-		AIR	.10P		65 2590	6549000
	ON-CONTROL-PNEU-ACTUATION,						
	FUEL-DRAIN						
	FUEL-OIL-SHUTOFF-		AIR	.28P		65 2590	6549000
	ON-CONTROL,		AIR				
	PNEUMATIC-ACTUATION						
	INLINE-RELIEF	HYDRAULIC-POWER, 707-131B	AIR	6CP		65 2361	6549000
	INLINE-RELIEF	HYDRAULIC-POWER, 707-131B	AIR	130P		65 2361	6549000
	INLINE-RELIEF-CYL	HYDRAULIC-POWER, 707-131	AIR	130P		65 2361	6549000
	INLINE-RELIEF-CILITY	HYDRAULIC-POWER, 707-131	AIR	30CP		65 2362	6549000
	INLINE-RELIEF-CILITY	HYDRAULIC-POWER, 707-131	AIR	45CP		65 2364	6549000
	INLINE-RELIEF-CILITY	HYDRAULIC-POWER, 707-131	AIR	45CP		65 2364	6549000
	INLINE-RELIEF-CILITY	HYDRAULIC-POWER, 707-131	AIR	48CP		65 2367	6549000
	LANDING-GEAR	MANUAL-LOCK	AIR	*		65 1227	6549000
	LOCK/DUMP	MING-LOCK	AIR	143.13P		65 1240	6549000
	MAN-3-SWITCH	HYDRAULIC-POWER, 727	AIR	37CP		65 2360	6549000
	MANUAL-PLUG	POWER-CONTROL	AIR	56.0412		65 1241	6549000
	METERING	MAIN-LANDING-GEAR	GRO	92.1472		65 1227	6549000
	METERING	MAIN-LANDING-GEAR	AIR	55.5874		65 1250	6549000
	METERING	FLIGHT-LANDING-GEAR	AIR	48.6463		65 1250	6549000
	METERING	FLIGHT-LANDING-GEAR	GRO	95.8.333		65 1111	6549000
	METERING	LANDING-GEAR	AIR	70.2265		65 1227	6549000
	MOTOR-FLAP-BYPASS	FLIGHT-CONTROL, 727	AIR	3CP		65 2363	6549000
	PITOT-MANUAL	THROTTLE-REVERSE	AIR	13.1575		65 1250	6549000
	PITOT-MANUAL	THROTTLE-REVERSE	AIR	23.2868		65 1227	6549000
	PITOT-THERMOID	THROTTLE-REVERSE	AIR	* 23.2868		65 1227	6549000
	PITOT-THERMOID	THROTTLE-REVERSE	AIR	13.5575		65 1250	6549000
	PRESS-REC	HYDRAULIC-POWER, 727	AIR	27CP		65 2363	6549000
	PRESSURE	HYDRAULIC-POWER, 727	AIR	27CP		65 2363	6549000
	PRESSURE		AIR	917.431		65 2363	6549000
	PRESSURE		GRO	917.431		65 2363	6549000
	PRESSURE		GRO	3564.53		65 2363	6549000
	PRESSURE		GRO	3564.53		65 2363	6549000
	PRESSURE		GRO	184.86		65 2363	6549000
	PRESSURE		GRO	4497.15		65 2363	6549000
	PRESSURE		AIR	27.9917		65 1240	6549000
	PRESSURE-LIMIT	FLIGHT-CONTROL-SYSTEM	AIR	* 46.5731		65 1227	6549000
	PRESSURE-LIMIT	FLIGHT-CONTROL-SYSTEM	AIR	37CP		65 2363	6549000
	PRESSURE-RED	HYDRAULIC-POWER, 727	AIR	56CP		65 2360	6549000
	PRESSURE-RED	HYDRAULIC-POWER, 727	AIR	82CP		65 2360	6549000
	PRESSURE-RED	HYDRAULIC-POWER, 727	AIR	51.0464		65 1240	6549000
	PRESSURIZING	IMPLET-REVERSE	AIR	9		65 1227	6549000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, M.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION HOURS	TR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT SRC	REF NO
HYDRAULIC									
PRESSURIZING		THRUST-REVERSER	AIR	0	13.9875	304	-1645	66 1250	66574000
PRIORITY		HYDRAULIC-POWER-707-3318	AIR	20P				66 2361	66576000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	20P				66 2361	66578000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	20P				66 2364	66580000
PRIORITY		HYDRAULIC-POWER-707-3318	AIR	20P				66 2361	66582000
PRIORITY		HYDRAULIC-POWER-707-3318	AIR	30P				66 2364	66584000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	40P				66 2361	66586000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	40P				66 2362	66588000
PRIORITY		HYDRAULIC-POWER-707-3318	AIR	40P				66 2362	66590000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	50P				66 2362	66592000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	50P				66 2362	66594000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	60P				66 2361	66596000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	70P				66 2364	66598000
PRIORITY		HYDRAULIC-POWER-331C/373C	AIR	80P				66 2363	66600000
PRIORITY		HYDRAULIC-POWER-331C/373C	AIR	80P				66 2363	66602000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	100P				66 2364	66604000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	160P				66 2362	66606000
PRIORITY		HYDRAULIC-POWER-707-1318	AIR	210P				66 2363	66608000
PRIORITY-CARGO-DOOR		HYDRAULIC-POWER-727	AIR	240P				66 2363	66610000
PRIORITY-CARGO-DOOR		HYDRAULIC-POWER-727	AIR	600P				66 2363	66612000
REDUCING-PRESSURE		NOSE-LANDING-GEAR	AIR	0	55.9834	76	-04113	66 1250	66614000A
REDUCING-PRESSURE		RUDDER-ASSEMBLY	AIR	0	5.07178	100	-25382	65 1198	66616000
REDUCING-PRESSURE		NOSE-LANDING-GEAR	AIR	0	93.1472	48	-02472	65 1227	66618000
REDUCING-PRESSURE		WING-FLAP	AIR	11.7952	45.8799	50	-08470	63 1198	66620000
REDUCING-PRESSURE		RUDDER-ASSEMBLY	AIR	25.7798	45.2526	200	-23274	65 1198	66622000
REDUCING-PRESSURE		RUDDER-ASSEMBLY	AIR	46.9798	78.9993	100	-149	63 1114	66624000
REDUCING-PRESSURE		RUDDER-ASSEMBLY	AIR	47.1809	76.6377	100	-16956	63 1198	66626000
REDUCING-PRESSURE		LANDING-NOSE	AIR	106.157	167.563	50	-08478	63 1198	66628000
REDUCING-PRESSURE		LANDING-NOSE	AIR	120	189.413	50	-075	63 1114	66630000
REDUCING-PRESSURE		THRUST-REVERSER	AIR	0	23.2888	192	-05888	65 1227	66632000
REDUCING-PRESSURE		THRUST-REVERSER	AIR	0	46.3486		-04968	63 1123	66634000
REDUCING-PRESSURE		MAIN-LANDING-GEAR	AIR	4.29644	16.7126	200	-23274	65 1198	66636000
REDUCING-PRESSURE		MAIN-LANDING-GEAR	AIR	7.8796	27.9687	100	-25382	65 1198	66638000
REDUCING-PRESSURE		MAIN-LANDING-GEAR	AIR	11.3636	30.2403	204	-176	63 1114	66640000
REDUCING-PRESSURE		THRUST-REVERSER	AIR	12.158	32.3544	304	-1645	66 1250	66642000A
REDUCING-PRESSURE		MAIN-LANDING-GEAR	AIR	20.1342	44.8375	100	-149	63 1114	66644000
REDUCING-PRESSURE		MAIN-LANDING-GEAR	AIR	23.5904	47.1428	100	-16954	63 1198	66646000
REDUCING-PRESSURE		MAIN-LANDING-GEAR	AIR	200	777.94	16	-009	65 1119	66648000
REDUCING-PRESSURE		HYDRAULIC-POWER-727	AIR	300P				65 2363	66650000
RELIEF		CHOISE-CRACK-RESTRICTOR	AIR	0	22.9388		-10038	65 1123	66652000A
RELIEF		HORIZONTAL-STABILIZER	AIR	0	13.1336	812	-17532	64 1179	66654000
RELIEF		ALL-ROTOR-SYSTEM	AIR	0	19.7868	100	-11437	65 1198	66656000
RELIEF		SPEED-BRAKE-SYSTEM	AIR	0	26.2073	486	-08764	64 1179	66658000
RELIEF		RUDDER-SYSTEM	AIR	0	10.0752	946	-22854	65 1228	66660000
RELIEF		HORIZONTAL-STABILIZER	AIR	0	10.0752	946	-22854	65 1228	66662000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1  
FAILURE RATE DATA

NGELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 42 VALVES

PART DESCRIPTION FUNCTIONAL APPLICATION

PART DESCRIPTION	FAILURE RATE	ENVIRONMENT	UPPER 90 CONF LIMIT	PART POPULATION	PART LATION	PART MOIORS	YR	OF DATA	INDEX
RELIEF	•	AIR	13.5975	304	1.645	66	1230	66664000A	
RELIEF	•	AIR	192.847	31	.01134	63	1111	66666000	
RELIEF	•	AIR	10.2752	946	-22054	65	1228	66668000	
RELIEF	•	AIR	23.1866	192	.06888	65	1227	66670000	
RELIEF	.965931	AIR	3.75552	1194	1.0357	67	1272	66672000	
RELIEF	.965931	AIR	3.75552	1194	1.0357	67	1272	66674000	
RELIEF	1.93591	AIR	7.51066	597	.51789	67	1272	66675000	
RELIEF	1.93116	AIR	5.13884	1194	1.0357	67	1272	66678000	
RELIEF	1.94768	AIR	7.57591		.51343	63	1123	66680000A	
RELIEF	8.7512	AIR	34.393	473	.11427	65	1228	66682000	
RELIEF	1.52263	AIR	23.4414	228	.786	64	1266	66685000A	
RELIEF	14.4927	AIR	38.9673		.128	59	1070	66686000	
RELIEF	18.5185	AIR	26.6243		.756	53	2107	66688000	
RELIEF	21.0526	AIR	36.9547		.285	63	2121	66690000	
RELIEF	40P	AIR				60	2365	66692000	
RELIEF	47.1809	AIR	54.2857	50	-.08478	63	1198	66696000	
RELIEF	53.3333	AIR	106.58	50	.075	63	1114	66698000	
RELIEF	54.5454	AIR	121.469	320	.045	61	1080	66700000	
RELIEF	5P	AIR				66	2363	66700000	
RELIEF	114.089	AIR	124.283		.518	63	2113	66704000	
RELIEF	15.8019	AIR	32.164		.404	59	1070	66706000	
RELIEF	1.94768	AIR	7.57591	200	.23274	65	1196	66708000	
RELIEF	17.0454	AIR	37.955	204	.51343	63	1123	66710000A	
RELIEF	15.8985	AIR	32.5404	100	.176	63	1114	66712000	
RELIEF	25.408	AIR	54.6986	100	.25382	65	1198	66714000	
RELIEF	33.557	AIR	62.2463	100	.149	63	1114	66716000	
RELIEF	41.6666	AIR	92.7888	186	.072	63	1111	66718000	
RELIEF	96.4122	AIR	121.695		.34228	63	1122	66720000A	
RELIEF	74.4225	GRD	235.22	23	.00142	62	1125	66724000	
RELIEF	917.431	GRD	3568.53	17	.03109	62	1113	66726000	
RELIEF	70.4437	AIR	118.455		.04937	63	1123	66728000A	
RELIEF	26.9085	AIR			.08557	63	1123	66730000A	
RELIEF	5.7385	AIR	22.1862	812	.17532	64	1179	66732000	
RELIEF	7.8796	AIR	20.9697	100	.25382	65	1198	66734000	
RELIEF	11.3536	AIR	30.2403	204	.176	63	1114	66736000	
RELIEF	14.2596	AIR	28.6507	1624	.35064	64	1179	66738000	
RELIEF	21.7233	AIR	26.4919	2388	2.0715	67	1272	66740000	
RELIEF	21.878	AIR	40.5823	946	.22954	65	1228	66742000	
RELIEF	29.9314	AIR	38.0707	1194	1.0357	67	1272	66744000	
RELIEF	30.0744	AIR	50.5753	200	.23274	65	1198	66746000	
RELIEF	32.258	AIR	125.474	136	.031	63	1114	66748000	
RELIEF	41.2833	AIR	68.4202	100	.16956	63	1198	66750000	
RELIEF	46.9798	AIR	70.9993	100	.149	63	1114	66752000	

HOME AIR DEVELOPMENT CENTER, GRIPPISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HYDRAULIC PART FAILURE RATE DATA

JANUARY 1962

PART CLASS	623 VALVES	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER PART	PART	TH	CROSS
PART DESCRIPTION				NO COMP	PROV-	OF DATA	INDEX
				LIMIT	LAYERS	REF	REF
.60 HYDRAULIC							
RESTRICTOR.		LANDING-GEAR, MAIN	19.2602	31.0746	1802	65	1228 65754000
SELECTOR		LANDING-DROOP	9.96214	30.7497		63	1122 66754000
SELECTOR		DOWN-LECK, LANDING-GEAR, MAIN	0	33.9834	76	66	1230 66754000
SELECTOR		DOWN-LECK, LANDING-GEAR, MAIN	0	93.1472	48	65	1227 66760000
SELECTOR		RUDDER-PEDAL	0	33.9834	76	66	1230 66760000
SELECTOR		RUDDER-PEDAL	0	93.1472	48	65	1227 66760000
SELECTOR		EMERGENCY, LANDING-GEAR	0	93.1472	48	65	1227 66760000
SELECTOR		LANDING-GEAR	0	93.1472	48	65	1227 66760000
SELECTOR		LANDING-GEAR	24.3131	94.5708	76	66	1230 66770000
SELECTOR		EMERGENCY, LANDING-GEAR	24.3131	94.5708	76	66	1230 66770000
SELECTOR		LANDING-GEAR, NOSE	24.3131	94.5708	76	66	1230 66770000
SELECTOR		NORM, LING-FLAP-ASSEMBLY	31.2183	62.9859	50	66	1230 66770000
SELECTOR		NORM, LING-FLAP-ASSEMBLY	34.0909	75.9101	102	63	1114 66770000
SELECTOR		EMERGENCY, WING-FLAP	40	89.0773	50	63	1114 66770000
SELECTOR		CRUISE-DROOP	58.4316	108.387		63	1123 66780000
SELECTOR		RUDDER-HEEL-TRIM	58.9564	103.489		66	1241 66780000
SELECTOR		POWER-STEERING	67.2268	91.1758	300	64	1246 66780000
SELECTOR		NORM, LING-FLAP-ASSEMBLY	68.7462	111.667	100	63	1114 66780000
SELECTOR		EMERGENCY, WING-FLAP	70.7714	124.228	50	63	1114 66780000
SELECTOR		NORM, LING-FLAP-ASSEMBLY	80	140.428	50	63	1114 66780000
SELECTOR		LANDING-GEAR, MAIN	80.9061	215.303	48	65	1227 66790000
SELECTOR		LANDING-GEAR, NOSE	80.9061	215.303	48	65	1227 66790000
SELECTOR		LANDING-GEAR, MAIN	86.6755	130.786	50	65	1198 66790000
SELECTOR		LANDING-GEAR, MAIN	90.909	147.667	182	63	1114 66800000
SELECTOR		NORM, LING-FLAP-ASSEMBLY	94.3618	153.275	50	63	1114 66800000
SELECTOR		EMERGENCY, MAIN-LANDING-GEAR	94.3618	153.275	50	63	1114 66800000
SELECTOR		BRAKE, EMERGENCY	103.119	152.801	100	65	1192 66800000
SELECTOR		EMERGENCY, MAIN-LANDING-GEAR	106.666	173.262	50	65	1114 66800000
SELECTOR		LANDING-GEAR, MAIN	121.563	225.497	76	66	1230 66810000
SELECTOR		LANDING-GEAR, MAIN	130.051	140.587		63	1114 66810000
SELECTOR		BRAKE, EMERGENCY	133.333	354.82	68	63	1114 66810000
SELECTOR		NORM, LING-FLAP-ASSEMBLY	133.333	354.82	68	63	1114 66810000
SELECTOR		LANDING-GEAR, MAIN	133.333	354.82	68	63	1114 66810000
SELECTOR		BRAKE, EMERGENCY	133.953	186.006	50	65	1198 66820000
SELECTOR		SPEED-BRAKE	145.251	174.629		66	1243 66820000
SELECTOR		BRAKE, LANDING-GEAR	180.456	242.145	180	65	1192 66820000
SELECTOR		BRAKE, EMERGENCY	181.818	255.131	102	63	1114 66820000
SELECTOR		BRAKE, LANDING-GEAR	193.161	268.251	102	63	1114 66820000
SELECTOR		ARRESTING-GEAR	194.127	218.981		63	1123 66830000
SELECTOR		LANDING-GEAR, MAIN	200	203.898	50	63	1114 66830000
SELECTOR		LANDING-GEAR, MAIN	200.518	216.429	50	63	1198 66840000
SELECTOR		DOOR-AUXILIARY-AIR-ENGINE	215.728	253.907		66	1241 66840000
SELECTOR		LANDING-GEAR, MAIN	245.203	319.657	180	65	1192 66850000
SELECTOR		BRAKE, LANDING-GEAR	252.147	319.46	50	63	1198 66850000
SELECTOR		BRAKE, EMERGENCY	293.333	398.936	50	63	1114 66860000

HOME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SZS	VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PAINT HOURS	DATA INDEX	REF
PART DESCRIPTION										
HYDRAULIC										
SELECTOR			FRANK-EMERGENCY	AIR	321.266	423.571	50	.08478	63	1191 66844000
SELECTOR			FRANK-LANDING-GEAR	AIR	342.661	438.765	50	.08478	63	1198 66846000
SELECTOR			FRANK-LANDING-GEAR	AIR	373.333	481.066	50	.075	63	1114 66848000
SELECTOR			FRANK-LANDING-GEAR	AIR	1531.39	2393.36	43	.06533	66	1240 66850000
SELECTOR-SHIFT			FRANK-LANDING-GEAR	AIR	343.866	378.583	424	.538	64	1266 66852000
SELECTOR-SOLCNCID			UTILITY-SYSTEM	AIR	76.3825	97.5534		.39276	64	1241 66854000
SELECTOR-4-WAY			SPEED-BRAKE	AIR	250.19	447.263		.08517	63	1123 66856000
SEQUENCER-PRESSURE				AIR	0	23.1719		.09937	63	1123 66858000
SEVALV			SURFACE-TO-AIR-MISSILE(1STORAGE)	GRD	0	6.5172	12	.33288	64	1191 66860000
SEVALV			WING-FLAP-SYSTEM	AIR	0	55.9834	76	.04113	66	1250 66862000
SEVALV			(STOP-AGE)	GRD	0	34.0471	3	.0457	64	1191 66864000
SEVALV			(STOP-AGE)	PSL	260.896	421.896	7518	27.9	63	1234 66866000
SEVALV			PUMP-17-CATAL-STABILIZER	AIR	35.0068	54.8592	946	.32854	65	1228 66868000
SEVALV			PUMP-17-CATAL-STABILIZER	AIR	56.8828	87.9524	946	.22854	65	1228 66870000
SEVALV			ATTENCKN-SYSTEM	AIR	61.8284	71.8765	1194	1.0357	67	1272 66872000
SEVALV			ATTENCKN-SYSTEM	AIR	51.2584	80.0721	546	.22854	65	1228 66874000
SEVALV			ATTENCKN-SYSTEM	AIR	62.7424	94.6734	812	.17532	64	1179 66876000
SEVALV			ATTENCKN-SYSTEM	AIR	62.7594	73.9618	1194	1.0357	67	1272 66878000
SEVALV			PUMP-17-CATAL-STABILIZER	AIR	68.4442	111.423	812	.17532	64	1179 66880000
SEVALV			PUMP-17-CATAL-STABILIZER	AIR	67.6284	147.857		.07881	63	1123 66882000
SEVALV			WING-FLAP-SYSTEM	AIR	121.356	270.258	48	.02472	63	1272 66884000
SEVALV			WING-FLAP-SYSTEM	AIR	125.318	140.837	1194	1.0357	67	1272 66886000
SEVALV			WING-FLAP-SYSTEM	AIR	154.004	169.402	812	.17532	64	1179 66888000
SEVALV			WING-FLAP-SYSTEM	GRD	1739.13	3475.45		.0023	52	1135 66890000
SEVALV			WING-FLAP-SYSTEM	GRD	1735.13	3475.45		.0023	62	1135 66892000
SEVALV			WING-FLAP-SYSTEM	GRD	1739.13	3475.45		.0023	62	1135 66894000
SEVALV			WING-FLAP-SYSTEM	GRD	26.866	4475.17		.0023	62	1135 66896000
SEVALV			WING-FLAP-SYSTEM	GRD	4.4782	6898.54		.0023	62	1135 66898000
SEVALV			WING-FLAP-SYSTEM	GRD	1.434.7	13731.6		.0023	62	1135 66900000
SEVALV			WING-FLAP-SYSTEM	AIR	317.486	355.881	197	.25766	66	1241 66902000
SEVALV			WING-FLAP-SYSTEM	AIR	15.4472	25.1514		.51799	67	1272 66904000
SEVALV			WING-FLAP-SYSTEM	GRD	0	15.7653	117	2.1189	64	1191 66906000
SEVALV			WING-FLAP-SYSTEM	AIR	8.7512	34.395	473	.11427	63	1228 66908000
SEVALV			WING-FLAP-SYSTEM	AIR	11.4.77	44.3725	424	.08766	64	1179 66910000
SEVALV			WING-FLAP-SYSTEM	AIR	4.453	137.15	48	.02472	63	1272 66912000
SEVALV			WING-FLAP-SYSTEM	AIR	72.4394	163.431	76	.04113	66	1250 66914000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2364 66916000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2362 66918000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2363 66920000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				65	2365 66922000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2361 66924000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2362 66926000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2363 66928000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2364 66930000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2365 66932000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2366 66934000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2367 66936000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2368 66938000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2369 66940000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2370 66942000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2371 66944000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2372 66946000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2373 66948000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2374 66950000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2375 66952000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2376 66954000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2377 66956000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2378 66958000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2379 66960000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2380 66962000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2381 66964000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2382 66966000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2383 66968000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2384 66970000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2385 66972000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2386 66974000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2387 66976000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2388 66978000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2389 66980000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2390 66982000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2391 66984000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2392 66986000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2393 66988000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2394 66990000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2395 66992000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2396 66994000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2397 66996000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2398 66998000
SEVALV			WING-FLAP-SYSTEM	AIR	7.7				66	2399 67000000

AGE IN DEVELOPMENT CENTER, CALIFORNIA, N.Y.

1012



## JANUARY 1983

SECTION 1

**NON-ELECTRONIC PAY FAILURE RATE DATA**

JANUARY 1983

[illegible]

SEMICONDUCTOR PART FAILURE RATE DATA  
JANUARY 1963

PART CLASS	525 VALVES	FUNCTIONAL APPLICATION	FAILURE RATE	UPPER 90 CONF LIMIT	PART POSITION	YR OF DATA RPT SINCE REF MS	CROSS INDEX
8-CU HYDRAULIC							
SHUTOFF-SOLENOID-OPERATION	RUDDER						
SHUTOFF-GATE	HYDRAULIC-POWER. 707.331	AIR	42.9004	66.1900	200	65	1198 67C520C0
SHUTOFF-MANUAL-ACTUATION.		AIR	130P			64	2341 67044000
BLKFC		AIR	7.91P			65	2590 67C65000
SHUTOFF-OR-CONTROL.		AIR	.35P			65	2590 67168000
ELECTRIC-ACTUATION		AIR	1.23P			65	2590 67070000
SHUTOFF-OR-CONTROL.		AIR	.32P			65	2590 67C720C0
ELECTRIC-ACTUATION.	WARP-FLAP-SELECTOR	AIR	.72P			65	2590 67C74000
SHUTOFF-OR-CONTROL.		AIR	1.23P			65	2590 67076000
ELECTRIC-ACTUATION.	EMERGENCY-BRAKE-SELECTOR	AIR	1.36P			65	2590 67C720C0
SHUTOFF-OR-CONTROL.		AIR	1.64P			65	2590 67C80000
ELECTRIC-ACTUATION.	EMERGENCY-BRAKE-SELECTOR	AIR	2.55P			65	2590 67082000
SHUTOFF-OR-CONTROL.		AIR	.4P			65	2590 67084000
ELECTRIC-ACTUATION.	NORMAL-BRAKE-SELECTOR	AIR	.56P			65	2590 67086000
SHUTOFF-OR-CONTROL.		AIR	.16P			65	2590 67C88000
ELECTRIC-ACTUATION.		AIR	.64P			65	2590 67C90000
SHUTOFF-OR-CONTROL.		AIR	1.95P			65	2590 67092000
ELECTRIC-ACTUATION.		AIR	.28P			65	2590 67C94000
SHUTOFF-OR-CONTROL.		AIR	.16P			65	2590 67C96000
ELECTRIC-ACTUATION.		AIR	.31P			65	2590 67C98000
SHUTOFF-OR-CONTROL.		AIR	.41P			65	2590 67100000
ELECTRIC-ACTUATION.		AIR					



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1964

PART CLASS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER PART		PART NO.	CROSS REF DATA
					NO COMP	LAYERS		
					LIMIT			
-60 HYDRAULIC								
SHUTTLE	LANDING-GEAR-MAIN	AIR	21.409	32.0971	204	.176	63	1114 67152000
SHUTTLE	LANDING-GEAR-MAIN	AIR	35.4501	53.0687	100	.25302	65	1198 67154000
SHUTTLE	LANDING-GEAR	AIR	51.8717	71.791	200	.329	66	1250 67152000A
SHUTTLE	LANDING-GEAR-NOSE	AIR	46.6446	239.313	80	.015	63	1114 67158000
SHUTTLE	BOHB-NAVIGATION-SYSTEM	AIR	83.752	325.77	31	.04194	63	1111 67160000
SHUTTLE	LANDING-GEAR-MAIN	AIR	90.2.94	121.097	200	.23276	65	1198 67162000
SHUTTLE	LANDING-GEAR-NOSE	AIR	90.089	147.667	102	.008	63	1114 67164000
SHUTTLE	LANDING-GEAR-NOSE	AIR	94.5551	140.111	50	.12091	65	1198 67166000
SHUTTLE	LANDING-GEAR	AIR	101.132	136.757	304	.19776	65	1227 67168000
SHUTTLE	LANDING-GEAR	AIR	147.348	211.073	76	.095	64	1264 67170000A
SHUTTLE	LANDING-GEAR-MAIN	AIR	174.37	143.448		.543	63	2107 67172000
SHUTTLE	LANDING-GEAR-MAIN	AIR	354.838	535.426	136	.031	63	1114 67174000
SHUTTLE-AIR	VARIABLE-RAMP	AIR	127.272	214.016	320	.053	61	1080 67176000
SHUTTLE-DUAL	REFUELING-SYSTEM	AIR	63.752	125.77	31	.01194	63	1111 67178000
SHURBER	BRARE-LANDING-GEAR	AIR	6	27.1597	50	.06478	63	1198 67180000
SO-MAN	HYDRAULIC-POWER-727	AIR	509				66	2363 67182000
SOLENOID	BOOST-CONTROL	MELI	28.9017	112.419	40	.0346	66	1297 67184000
SOLENOID	BOOST-CONTROL	MELI	78.9285	307	40	.01267	66	1257 67185000
SOLENOID		AIR	144.646	167.346		.569	66	1263 67186000
SOLENOID	GIVE-BRAKE-SELECTOR	AIR	282.927	316.27	424	.538	64	1266 67190000A
SURGE-DAMPING	AIR-COMPRESSOR	AIR	434.782	515.934		.138	59	1070 67192000
TEST-GROUND	WING-FLAP-SYSTEM	AIR	306.278	815.053	33	.00653	66	1240 67194000A
TEST-GROUND	WING-FLAP-SYSTEM	AIR	6	55.9834	76	.04113	66	1250 67196000
TRANSF	FLIGHT-CONTROLS-727	AIR	6	93.1472	48	.02472	65	1227 67198000
TRANSF	FLIGHT-CONTROLS-727	AIR	309				66	2365 67200000
TRANSF	FLIGHT-CONTROLS-727	AIR	5 P				66	2365 67202000
TRANSF	FLIGHT-CONTROLS-727	AIR	100P				65	2365 67204000
TRANSF	FLIGHT-CONTROL-727	AIR	120P				66	2363 67206000
TRANSF	FLIGHT-CONTROL-727	AIR	160P				66	2363 67208000
TRANSF	FLIGHT-CONTROL-727	AIR	230P				65	2363 67210000
TRANSFER-DUAL-4-WAY		AIR	28.5428	75.5369		.07007	62	1136 67212000
1-STAGE-SLIDE		LIFE LAB	1.29032C	3.43374C	3	1.55C	66	2341 67214000A
2-POSITION-4-WAY-SOLENOID-OPERATED-PILOT-3COUPLER-PROOF-45CUPS1	HYDRAULIC-VALVE							
1-WAY-2-POSITION-SOLENOID		AIR	76.5686	297.833	86	.01306	66	1240 67215000A
3-WAY-2-POSITION-SOLENOID		AIR	153.139	407.526	86	.01306	66	1240 67215000A
4-WAY-SOLENOID-OPERATED	BLADEFOLD-LOCK	MELI	317.757	399.659	151	.107	66	1234 67220000A
5-WAY-2-POSITION-SOLENOID-MAIN-LANDING-GEAR		LAB	1.29032C	3.43374C	3	1.55C	66	1264 67222000A
4-WAY-3-POSITION-CUMPT/TAILOLD		AIR	51.5464	198.555	129	.01959	66	1240 67224000A
4-WAY-3-POSITION-SOLENOID		AIR	15.3139	59.5666	430	.0653	66	1240 67224000A

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

## NONELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SZL VALVES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1961

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ROME AIR DEVELOPMENT CENTER, GRAIFFESS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

PART CLASS	QTY VALVES	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 50 CONF LIMIT	PART POPULATION	PART HOURS	VR OF DATA RPT SRCE REF NO	CROSS INDEX
-80	PNEUMATIC									
MODULATING-AIR		AUXILIARY-POWER-PLANT		AIR	425.408	504.751	50	-12691	65	1198 67474000
MODULATING-AIR		AUXILIARY-POWER-PLANT		AIR	500	611.164	102	-080	63	1114 67426000
MODULATING-AIR		AUXILIARY-POWER-PLANT		AIR	1403.63	1583.33	50	-08478	63	1198 67426000
PRIORITY		AUXILIARY-POWER-PLANT		AIR	1480	1674.78	50	-075	63	1114 67430000
REGULATING-PRESSURE		LANDING		AIR	117.117	176.792	340	-111	61	1080 67437000
REGULATING		GUN-ENGINE		AIR	95.3338	137.924		-17114	62	1123 67434000
REGULATING		ELECTRONIC-EQUIPMENT		AIR	459.418	1023.09	43	-00653	66	1240 67436000
REGULATING-PRESSURE		CANOPY-SEAL		AIR	459.418	1023.09	43	-00653	66	1240 67436000
REGULATING-PRESSURE		AFT-VENT-ECON		AIR	105.177	166.016		-08557	63	1123 67436000
PSI				AIR	600	757.344	320	-055	61	1020 67442000
RELAY		RELAY		AIR	25.7798	57.4059	100	-11627	65	1198 67444000
RELIEF		RELIEF		AIR	6	96.4641	62	-07387	63	1111 67446000
RELIEF		RELIEF		AIR	6	46.3393		-04969	63	1123 67448000
RELIEF		RELIEF		AIR	8.58287	13.5475		-1-0486	66	1241 67450000
RELIEF		RELIEF		AIR	70.118	123.081		-08557	63	1123 67452000
RELIEF		RELIEF		AIR	135.135			-222	61	1080 67454000
RELIEF		RELIEF		AIR	18.2291	30.6523	320	-384	61	1080 67456000
RELIEF		RELIEF		AIR	10.5263	28.0121	152	-19	64	1246 67458000
RELIEF		RELIEF		AIR	19.2282	70.9222		-05486	63	1123 67460000
RELIEF		RELIEF		AIR	67.5436	90.6509		-31091	66	1241 67462000
RELIEF		RELIEF		AIR	278.079	342.444		-14744	66	1241 67464000
RELIEF		RELIEF		AIR	6	23.2828	192	-08898	65	1227 67466000
RELIEF		RELIEF		AIR	3.57614	10.5811		-503	59	1070 67468000
RELIEF		RELIEF		AIR	6.07902	23.6435	304	-1645	66	1250 67470000
RELIEF		RELIEF		AIR	9.11454	26.3063	608	-329	66	1250 67472000
RELIEF		RELIEF		AIR	12.158	30.3544	304	-1645	66	1250 67474000
RELIEF		RELIEF		AIR	15.1699	33.7823	384	-15776	65	1227 67476000
RELIEF		RELIEF		AIR	20.2265	53.8258	192	-09888	65	1227 67478000
RELIEF		RELIEF		AIR	33.4346	50.4593	608	-329	66	1250 67480000
RELIEF		RELIEF		AIR	35.3964	59.5211	384	-19776	65	1227 67482000
RELIEF		RELIEF		AIR	107.112	198.666		-04668	63	1123 67484000
RELIEF		RELIEF		AIR	111.712	162.91	100	-11637	65	1198 67486000
RELIEF		RELIEF		AIR	206.606	245.96	304	-1645	66	1250 67488000
RELIEF		RELIEF		AIR	236.636	320.276	102	-088	63	1114 67490000
RELIEF		RELIEF		AIR	267.906	336.925	50	-12691	62	1123 67492000
RELIEF		RELIEF		AIR	313.511	358.764	192	-09888	65	1227 67494000
RELIEF		RELIEF		AIR	318.471	412.352	50	-08478	63	1198 67496000
RELIEF		RELIEF		AIR	333.333	436.149	50	-075	63	1114 67498000
RELIEF		RELIEF		AIR	583.333	751.465	124	-043	63	1111 67500000
RELIEF		RELIEF		AIR	722.222	1053.21	64	-018	59	1110 67502000
RELIEF		RELIEF		AIR	-28P				65	1250 67504000
RELIEF		RELIEF		AIR	2.76P				65	1250 67506000
RELIEF		RELIEF		AIR	.13P				65	1250 67508000





ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	SIZES VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PNEUMATIC									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.78P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.41P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	1.24P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.42P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.16P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.12P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.76P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.5P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.08P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.28P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.03P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.18P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.31P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.48P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.56P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									
SHUTOFF-OR-CONTROL	ELECTRIC-MOTOR-ACTUATION	AIR	.72P	65	2590	6756000			
AUXILIARY-VENT-SHUTOFF									

WGL AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS	529 VALVES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER % CORRECTION LIMIT	PART POPULATION	PART LATION	YR OF DATA INDEX	CROSS RPT SAGE REF MS
-80 PNEUMATIC									
SHUTOFF-OR-CONTROL.			AIR	.21P				63 2590	67592000
PNEUMATIC-ACTUATION.									
FLOW-DIVERTER			AIR	.48P				65 2590	67590000
SHUTOFF-OR-CONTROL.									
PNEUMATIC-ACTUATION.			AIR	.08P				65 2590	67592000
FLOW-DIVERTER									
SHUTOFF-OR-CONTROL.									
PNEUMATIC-ACTUATION.			AIR	.10P				65 2590	67594000
PRESSURE-RELIEF									
SHUTOFF-OR-CONTROL.			AIR	.03P				65 2590	67594000
PNEUMATIC-ACTUATION.									
PRESSURIZING			AIR	.42P				65 2590	67596000
SHUTOFF-OR-CONTROL.									
PNEUMATIC-ACTUATION.			AIR	.1P				65 2590	67600000
PRESSURIZING									
SHUTOFF-OR-CONTROL.									
PNEUMATIC-ACTUATION.			AIR	.0P				65 2590	67602000
GENERATOR-BY-PASS									
SHUTOFF-OR-CONTROL.			AIR	260P				65 2361	67604000
PNEUMATIC-ACTUATION-CHECK			AIR	280P				66 2361	67606000
SHUTOFF-T-C		AIR-CONDITIONING-707-331	AIR	37CP				66 2361	67608000
SHUTOFF-T-C		AIR-CONDITIONING-707-331	AIR	44CP				65 2361	67610000
SHUTOFF-T-C		AIR-CONDITIONING-707-331	AIR	52MP				65 2361	67612000
SHUTOFF-T-C		AIR-CONDITIONING-707-331	AIR	68CP				65 2361	67614000
SHUTOFF-T-C		AIR-CONDITIONING-707-331	AIR	80CP				65 1227	67616000
SHUTOFF/CONTROL-LOAD		AUXILIARY-POWER-UNIT	AIR	80.9061	215.303	48	.02472	65 1227	67618000
SHUTOFF/CONTROL-LOAD		AUXILIARY-POWER-UNIT	AIR	592.202	740.415	76	.04113	65 1227	67620000
SHUTTLE			AIR	7.24637	28.1862		.138	59 1070	67622000
SHUTTLE		DOOR-AND-LAUNCHER	AIR	30.1204	55.5712	940	.169	61 1090	67624000
50-6-DIA		LANDING-GEAR-NOSE	AIR	136.518	272.817		.0293	66 1241	67626000
50-6-DIA		AIR-CONDITIONING-707-1318	AIR	2CP				66 2361	67628000
50-9-DIA		AIR-CONDITIONING-707-3318	AIR	2CP				66 2361	67630000
SOLENOID		PRESSURE-M202-BOTTLE	AIR	CP				66 2361	67632000
SOLENOID		PRESSURE-M202-BOTTLE	GRD	0	1318.834		.0012C	64 1171	67634000
SOLENOID			GRD	0	290.26C		.0041C	64 1171	67636000
SOLENOID				.17212	.069853		5.0048	64 2231	67638000
SOLENOID				.25				62 2231	67640000
SOLENOID			GRD	26489	1.02956	490	3.778	65 1216	67642000
SOLENOID			GRD	1775.19	2677.12	92	.0042	63 1125	67644000
SOLENOID, SHUTOFF									

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MMWELCTRONIC PART FAILURE RATE DATA

JANUARY 1969

PART CLASS 925 VALVES

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER LIMIT	QC COMP. LIMIT	PART FORM-LATION	PART INDEX	VA	CROSS OF DATA INDEX	REF. SOURCE REF. NO.
-90 01L										
BYPASS	ENGINE-POWER-PLANT-SYSTEM	AIR	59.9161	233.035	64		-01634	64	1225	676440000
BYPASS	ENGINE-TURBOJET-J-85	AIR		10.0792	944		-22884	65	1228	676440000
REGULATING	ENGINE-TURBOJET-J-85	AIR	969531	3.15562	1194		1.20357	67	1272	676440000
REGULATING-PRESSURE	POWER-PLANT	AIR	453.744	516.34	126		-21597	65	1133	676500000
RELIEF-PRESSURE	LUBE-SYSTEM	AIR	56.7536	320.754	64		-01762	68	1201	676520000
SEQUENCE	LUBE-SYSTEM	AIR	46.728	61.4532	528		-21361	65	1201	676520000
SHUTOFF	POWER-PLANT	AIR	46.3027	11.3568	126		-21597	65	1133	676500000
SHUTOFF-MIL-V-6610.	POWER-PLANT	AIR	2.31513	9.00518	252		-43194	65	1133	676500000
35PSI-1B-35VDC	FIREWALL	MELT	253.335	392.363	120		.03	65	1215	676400000
VENT	CONSTANT-SPEED-DRIVE	AIR	418.181	553.696	320		.635	61	1059	676420000

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ROME AIR DEVELOPMENT CENTER, WRIGHT-PATTERSON AFB, OHIO  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1963

PART CLASS 931 VENTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER 90 CONF  
LIMIT

PART  
LATION

YR  
OF DATA INDEX

APT SAGE REF NO

.00 N.O.C.

AIR-CONDITIONER-SYSTEM	AIR	0	13.9975	504	.1045	64	1250	67710000
AIR-CONDITIONER-SYSTEM	AIR	0	22.2848	192	.02980	65	1227	67712000
COMPRESSOR-GAS-TURBINE	AIR	0	19.7848	100	.11337	65	1198	67714000
AUXILIARY-POWER-PLANT								
STANDPIPE-FUEL-SYSTEM	AIR	0	13.9975	304	.1045	64	1250	67710000
TANK-DRAIN-FUEL-SYSTEM	AIR	1.31328	5.10229	300	.76155	65	1198	67710000
OXYGEN-SYSTEM	AIR	1.00035	7.35293	612	.529	63	1114	67720000
BATTERY-COMPARTMENT-DC-POWER-SUPPLY	AIR	13.5163	22.7285	597	.51789	67	1272	67720000
OXYGEN-SYSTEM	AIR	30.0764	98.5753	200	.23274	65	1198	67724000
OXYGEN-SYSTEM	AIR	57.0385	105.003	404	.09764	64	1179	67726000
OXYGEN-SYSTEM	AIR	87.512	134.826	473	.11427	65	1228	67726000
BATTERY-COMPARTMENT-DC-POWER-SUPPLY	AIR	106.374	137.732	100	.23382	65	1198	67730000
BATTERY-COMPARTMENT-DC-POWER-SUPPLY	AIR	119.318	160.138	204	.116	63	1114	67732000
BATTERY-COMPARTMENT-DC-POWER-SUPPLY	AIR	440.014	565.261	50	.00478	63	1198	67734000
BATTERY-COMPARTMENT-DC-POWER-SUPPLY	AIR	466.666	584.954	50	.075	63	1114	67734000
FUEL-SYSTEM	AIR	0	23.2848	192	.09888	65	1227	67738000
FUEL-SYSTEM	AIR	8.7512	34.0395	473	.11427	65	1228	67740000
FUEL-SYSTEM	AIR	19.3021	29.7428	597	.51789	67	1272	67740000
FUEL-SYSTEM	AIR	0	3.29776	600	.6823	65	1198	67742000
FUEL-SYSTEM	AIR	0	3.02394	600	.76145	65	1198	67744000
FLIGHT-STATION-OXYGEN-SYSTEM	AIR	0	93.1472	43	.02472	63	1227	67748000
FLIGHT-STATION-OXYGEN-SYSTEM	AIR	0	55.9834	74	.04112	64	1250	67750000
FUEL-SYSTEM	AIR	0	23.2848	192	.09888	65	1227	67752000

JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

PART CLASS 922 VESTS

PART DESCRIPTION

FUNCTIONAL APPLICATION

W.D.C.

LIFE  
LIFE  
LIFE  
LIFE

SURVIVAL-EQUIPMENT  
SURVIVAL-EQUIPMENT  
SURVIVAL-EQUIPMENT  
SURVIVAL-EQUIPMENT

FAILURE RATE	ENVIRONMENT	UPPER 95 CONF LIMIT	PART POPU- LATION	PART HOURS	YR	CROSS
DATA					BT DATA INDEX	RPT SRCE REF NO
9	AIR	15.5245	288	.1432	65	1227 67754000
6	AIR	9.32942	436	.2408	66	1250 67756000
4	AIR	1.97868	1000	1.1637	65	1198 67758000
1.31328	AIR	5.10828	300	.76135	65	1198 67760000

NAME AIA DEVELOPMENT CENTER, ORIOLESS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

SEMICONDUCTOR PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	935 VIBRATIONS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER PART NO COMP LTRTY	PART NO COMP LTRTY	YR OF DATA INDEX	CAGE#
.00 W.B.C.									
ALTIMETER-PRESSURE									
CHOPPERS		AIR			0	140.2612		61 361	67742500
CHOPPERS		AIR			0	44.2486		63 1123	67764000
CHOPPERS		SIN AIR			0	162.134	44	63 1195	67764500
CHOPPERS		LAR			5			63 1138	67765000
CHOPPERS		LAR			75			61 1071	67770500
CHOPPERS		AIR			21.7391	48.6115		59 1070	67772000
CHOPPERS		GRD			40.3459	47.1305		62 2240	67774000
CHOPPERS		AIR			50			61 1068	67775000
CHOPPERS		GRD			1428.57	3181.35		62 1141	67776000
INDICATORS-VACUUM/PRESSURE-ALTITUDE-RACK									
CHOPPERS		MSL			2000	5322.3		57 212	67780000
CHOPPERS		AIR			0	328.942	4	62 1093	67782000
CHOPPERS		LAR			0	208.327	21	64 1233	67784000
CHOPPERS		AIR			0	767.533		60 1067	67786000
CHOPPERS		GRD			0	2.61838	125	64 1210	67788000
CHOPPERS		LAR			0	499.479	9	64 1154	67790000
CHOPPERS		LAR			5			63 1138	67792000
CHOPPERS		SMP			1.21617	1.97547	1474	65 1243	67794000
CHOPPERS					4			58 212	67796000
CHOPPERS					4			58 212	67798000
CHOPPERS					4			57 211	67800000
CHOPPERS					4			57 211	67802000
CHOPPERS		AIR			4.85			57 211	67804000
CHOPPERS		AIR			4.85			57 211	67806000
CHOPPERS					5			58 211	67808000
CHOPPERS		GRD			5			63 1098	67810000
CHOPPERS		ATA GMD			6.1105	11.6402		64 216	67812000
CHOPPERS		LAR			11.4			51 1071	67814000
CHOPPERS		AIR GMD			11.974	31.87	3390	65 1221	67816000
CHOPPERS		SEN			14.9892	21.5303		67 1078	67818000
CHOPPERS		SIN GMD			39.9201	135.277	195	64 1181	67820000
CHOPPERS		SIN GMD			55.5555	216.094	139	63 1117	67822000
CHOPPERS					56.6			58 212	67824000
CHOPPERS		MSL			66.6666	177.41		57 212	67826000
CHOPPERS		GRD			77.3953	301.06	768	61 1069	67828000
CHOPPERS		AIR SMP			100			58 212	67830000
CHOPPERS		GRD			116.414	239.247	2550	62 1159	67832000
CHOPPERS		AIR			129.032	257.856	240	62 1054	67834000
CHOPPERS		GRD			231.16	428.786	1700	63 1159	67836000
CHOPPERS		AIR			310.344	489.862	10	62 1093	67838000
CHOPPERS		AIR GMD			361.111	526.609		60 1067	67840000
CHOPPERS		AIR			439.09	645.727	6	62 1093	67842000
CHOPPERS		GRD			454.543	843.154		66 1232	67844000
CHOPPERS		GRD			545.454	808.252		60 1047	67846000
CHOPPERS		GRD			590	4637.35		60 1047	67848000
SIGNALS-COMPARATOR									



JOINT AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1964

PART CLASS SEE VIBRATORS

PART CLASS.	SIC	VIBRATORS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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DL-POWER-SUPPLY-SYSTEM

INSTRUMENTS-707.131  
INSTRUMENTS-707.131  
INSTRUMENTS-707.131

DL-POWER-SUPPLY-SYSTEM

INSTRUMENTS-707.131  
INSTRUMENTS-707.131  
INSTRUMENTS-707.131

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

MODEL ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS 534 VIEWFINDERS

PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VE OF DATA INDEX	CROSS REF KEY
WINDON-AIRFRAME		AIR	13.3333	51.8626	50	.075	63 1124	67878000
WINDON-AIRFRAME		AIR	95.6937	372.22	50	.01045	63 1193	67860000

U.S. N.G.C.

JANUARY 1960

SECTION I FAILURE RATE DATA

PART CLASS 539 VISORS

## PART DESCRIPTICA

## FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER	PARTY	POPULATION	LATITUDE
90	CONF		
LIMIT			

VR	CROSS	OF DATA INDEX	PT SRCF REF NO
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
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52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
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58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
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67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
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81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

**U.S. N. C.**

CATHODE-RAY-TUBE-FLIGHT-INDICATOR  
CATHODE-RAY-TUBE-FLIGHT-INDICATOR

CATHODE-RAY-TUBE  
COWLING-NOSE-SECTION  
COWLING-NOSE-SECTION  
COWLING-NOSE-SECTION  
HIGH-RANGE-ALT-SCR-71P.  
A-187

SEARCH-PAD4H  
POWHEW-PLANT - GENERAL-707-131B  
POWHEW-PLANT - GENERAL-707-131B  
POWHEW-PLANT - GENERAL-707-131B

~~SIM GRD AIR \*~~  
~~SIM GRD AIR \*~~

AIR	749.0
AIR	30P
AIR	70P
AIR	100P

02775 64 1181 67482000A  
022 63 1117 67484000

03	1198	67894000
66	2364	67892000
65	2364	67890000
66	2364	67888000
66	1256	67886000A
03	1198	67884000

**HIGH-RANGE-ALT. SCH-71E.**

44-387

HIGH-RANGE-ALT. SCR-718.

495-M

# HIGH-RANGE-ALY.SCN-718.

44-38861-1000

HIGH-RANGE-ALT-50K-718.

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BLIND-FLYING.CANOPY.INSTRUCTOR  
BLIND-FLYING.CANOPY.INSTRUCTOR  
CANOPY.INSTRUCTOR

BLIND-FLYING

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS C-18 WALKWAYS

PART DESCRIPTION FUNCTIONAL APPLICATION

-11 LARGO COMPARTMENT

ENVIRONMENT RATE FAILURE RATE UPPER 90 CONF LIMIT PART POPULATION PART HOURS YR OF DATA INDEX CROSS REF NO

AIR 40-453 127.35 48 -02472 69 1227 67914000  
AIF 1021.1 1.27 76 -04113 66 1290 67916000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1968

PART CLASS	USE WARNING DEVICES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER		PART	PART	YF	CROSS
					QC CONF	LIMIT				
PART DESCRIPTION							POPULATION	NUMBER	RPT	INDEX
									SOURCE	REF NO
-CC N.Y.C.										
FIRE-CONTROL-BOX		FIRE-PROTECTION-BRO	AIR	160P					65	2360 67518000
FIRE-LIGHT-FLASHER		FIRE-PROTECTION-TC7-131	AIR	220P					66	2361 67920000
FIRE-LIGHT-FLASHER		FIRE-PROTECTION-TC7-131	AIR	230P					66	2361 67922000
FIRE-LIGHT-FLASHER		FIRE-PROTECTION-TC7-131	AIR	260P					65	2361 67924000
FIRE-CONTROL		FIRE-PROTECTION-BRO	AIR	150P					66	2363 67926000
FIRE-CONTROL		FIRE-PROTECTION-BRO	AIR	180P					65	2363 67928000
FIRE-CONTROL-BOX		FIRE-PROTECTION-BRO	AIR	160P					65	2363 67930000
FIRE-LIGHT-FLASHER		FIRE-PROTECTION-TC7-131	AIR	220P					66	2364 67922000
FIRE-LIGHT-FLASHER		FIRE-PROTECTION-TC7-131	AIR	340P					65	2362 67934000
FLIGHT-INSTRUCTOR-SOUNDER		NAVIGATION-TC7-331P	AIR	240P					66	2362 67936000
FLIGHT-INSTRUMENTATION-SOUNDER		NAVIGATION-TC7-331B	AIR	340P					66	2361 67938000
-CC N.Y.C.										
FLIGHT-INSTRUMENTATION-SOUNDER		NAVIGATION-TC7-331B	AIR	340P					65	2361 67940000
-CC N.Y.C.										
HORN-LANDING-CLARK		LANDING-GEAR-TC7-131	AIR	340P					65	2362 67942000
HORN-LANDING-CLARK		LANDING-GEAR-TC7-131	AIR	600P					65	2362 67944000
HORN		WARNING-OXYGEN-QUANTITY-TROOP	AIR	*		55.9834	76		66	1250 67946000A
HORN		WARNING-SYSTEM-BALLOUT-ALARM	AIR	48.6263		129.401	76		66	1250 67948000
HORN		WARNING-SYSTEM-BALLOUT-ALARM	AIR	48.6263		125.401	76		66	1250 67950000A
HORN		LANDING-GEAR-TC7-131	AIR	260P					65	2361 67952000
LANDING-GEAR-POPN		LANDING-GEAR-TC7-131	AIR	270P					65	2364 67954000
LANDING-GEAR-POPN		LANDING-GEAR-TC7-131	AIR	410P					65	2364 67956000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	40P					66	2363 67958000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	40P					66	2363 67960000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	70P					66	2360 67962000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	110P					66	2363 67964000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	190P					66	2360 67966000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	190P					66	2363 67968000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	200P					65	2360 67970000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	230P					65	2363 67972000
OVERHEAT-FLASHER		FIRE-PROTECTION-BRO	AIR	160P					65	2363 67974000
WARNING-HORN-LANDING-GEAR		LANDING-GEAR-BRO	AIR						65	2363 67976000

-10 RELL

LANDING-GEAR		LANDING-GEAR	AIR	*		93.1472	48		65	1227 67576000
OXYGEN-QUANTITY-TROOP		OXYGEN-QUANTITY-TROOP	AIR	*		93.1472	48		65	1227 67978000
WARNING-BELL-SYSTEM		WARNING-BELL-SYSTEM	AIR	1.96993		7.62247	200		65	1198 67980000
WARNING-BELL-SYSTEM		WARNING-BELL-SYSTEM	AIR	4.29664		11.434	460		65	1198 67982000
BALLOUT-ALARM		BALLOUT-ALARM	AIR	40.453		157.35	46		65	1227 67984000
EMERGENCY-EQUIPMENT		EMERGENCY-EQUIPMENT	AIR	53.3333		104.58	50		63	1114 67986000
EMERGENCY-EQUIPMENT		EMERGENCY-EQUIPMENT	AIR	66.6666		259.313	68		63	1114 67988000
EMERGENCY-EQUIPMENT		EMERGENCY-EQUIPMENT	AIR	68.1818		119.682	102		63	1114 67990000
EMERGENCY-EQUIPMENT		EMERGENCY-EQUIPMENT	AIR	70.7714		124.228	90		63	1114 67992000
EMERGENCY-EQUIPMENT		EMERGENCY-EQUIPMENT	AIR	82.3666		105.392	266		65	1198 67994000
WARNING-BELL-SYSTEM		WARNING-BELL-SYSTEM	AIR	83.752		325.77	31		63	1111 67996000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 638 WARNING DEVICES

PART DESCRIPTION

FUNCTIONAL APPLICATION

UPPER PART OF DATA LOWER  
PART OF DATA LOWER  
PART OF DATA LOWER

-10 BELL

EMERGENCY-EQUIPMENT  
EMERGENCY-EQUIPMENT

-20 BUZZER

-30 KEYS

LAB  
AIR

FIRE/OVERHEAT-DETECTION-SYS-ENG/APU

OVERHEAT-WARNING-SYSTEM  
OVERHEAT-WARNING-SYSTEM  
OVERHEAT-WARNING-SYSTEM  
OVERHEAT-WARNING-SYSTEM  
OVERHEAT-WARNING-SYSTEM  
OVERHEAT-WARNING-SYSTEM

EMERGENCY-AN/ARA-26-KY-65B  
EMERGENCY-AN/ARA-26-KY-65B  
SYSTEM

ENG/AUXILIARY-POWER-UNIT

FLASHER-CONTROL  
FLASHER-CONTROL

30.3398	67.3647	192	-0.9888	65	1227	6800-0000
32.258	85.8435	272	-0.062	63	1114	6800-0000
55.8863	72.6914	400	-0.0548	63	1198	6801-0000
181.234	207.932	200	-0.0763	63	1198	6801-0000
201.133	233.314	408	-0.353	63	1114	6801-0000
256.346	295.317	200	-0.3912	63	1198	6801-0000
280.936	324.443	200	-0.299	63	1114	6801-0000
11.7952	45.8795	50	-0.0478	63	1198	6802-0000
13.3333	51.8626	50	-0.773	63	1114	6802-0000
72.9483	108.094	304	-1.645	66	1230	6802-0000
84.2105	136.784		-0.55	63	2125	6802-0000
784.386	835.485		-0.530	63	2114	6802-0000

# NON-ELECTRONIC PART VALUE RATE DATA

## PART CLASS 541 WAVEGUIDES AND MICROWAVE PLUMBING

YR	LAST	OF DATA INDEX	REF	REF
			SAC	
1968	1	1	1	1
1969	1	1	1	1
1970	1	1	1	1
1971	1	1	1	1
1972	1	1	1	1
1973	1	1	1	1
1974	1	1	1	1
1975	1	1	1	1
1976	1	1	1	1
1977	1	1	1	1
1978	1	1	1	1
1979	1	1	1	1
1980	1	1	1	1
1981	1	1	1	1
1982	1	1	1	1
1983	1	1	1	1
1984	1	1	1	1
1985	1	1	1	1
1986	1	1	1	1
1987	1	1	1	1
1988	1	1	1	1
1989	1	1	1	1
1990	1	1	1	1
1991	1	1	1	1
1992	1	1	1	1
1993	1	1	1	1
1994	1	1	1	1
1995	1	1	1	1
1996	1	1	1	1
1997	1	1	1	1
1998	1	1	1	1
1999	1	1	1	1
2000	1	1	1	1
2001	1	1	1	1
2002	1	1	1	1
2003	1	1	1	1
2004	1	1	1	1
2005	1	1	1	1
2006	1	1	1	1
2007	1	1	1	1
2008	1	1	1	1
2009	1	1	1	1
2010	1	1	1	1
2011	1	1	1	1
2012	1	1	1	1
2013	1	1	1	1
2014	1	1	1	1
2015	1	1	1	1
2016	1	1	1	1
2017	1	1	1	1
2018	1	1	1	1
2019	1	1	1	1
2020	1	1	1	1
2021	1	1	1	1
2022	1	1	1	1
2023	1	1	1	1
2024	1	1	1	1
2025	1	1	1	1
2026	1	1	1	1
2027	1	1	1	1
2028	1	1	1	1
2029	1	1	1	1
2030	1	1	1	1
2031	1	1	1	1
2032	1	1	1	1
2033	1	1	1	1
2034	1	1	1	1
2035	1	1	1	1
2036	1	1	1	1
2037	1	1	1	1
2038	1	1	1	1
2039	1	1	1	1
2040	1	1	1	1
2041	1	1	1	1
2042	1	1	1	1
2043	1	1	1	1
2044	1	1	1	1
2045	1	1	1	1
2046	1	1	1	1
2047	1	1	1	1
2048	1	1	1	1
2049	1	1	1	1
2050	1	1	1	1
2051	1	1	1	1
2052	1	1	1	1
2053	1	1	1	1
2054	1	1	1	1
2055	1	1	1	1
2056	1	1	1	1

NO. 197  
LIX

ENVIRONMENT RATE

W-0-0.

SEARCH-RADAR-SUBSYSTEM

AIR			
AIR			
AIR		CND	
AIR		CND	

80.0291	135.442
92.752	125.967
210.101	323.3
127.272	214.016

12

11354  
07047  
035  
035

62	2322	68035200
62	2322	68032020
97	712	68034000
57	212	68034500

ROME AIR DEVELOPMENT CENTER, GRAFFIUS AFB, N.Y.  
SECTION 1

FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1960

PART CLASS 942 WEIGHTS

PART DESCRIPTION  
-OC N.O.C.

FUNCTIONAL APPLICATION

ENVIRONMENT RATE FAILURE RATE UPPER PART POPU- PART OF DATA CROSS  
LIMIT LATION HOURS REF INDEX

BALANCE	BRA-STABILIZER-HORIZONTAL	AIR	17.3024	46.3763	473	11427	45	1223	6203070
BALANCE	ELEVATOR-CONTROL-SYSTEM	AIR	0	3.28648	1292	7002	66	1250	60040000
BALANCE	ELEVATOR-CONTROL-SYSTEM	AIR	0	5.47028	816	42824	65	1227	66042000
ROH	PROPELLOR-ASSEMBLY	AIR	0	6.78992	200	33912	63	1198	60044000
	STABILIZER-HORIZONTAL	AIR	13.5165	22.7283	387	31759	67	1272	65046000



HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

HOMELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	944 WHEELS	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER GO CONF LIMIT	PART POPUL- ATION	PART HOURS	YR OF DATA RAT	CROSS INDEX SRCE REF NO
-00	N.O.C.									
		TIP-PROTECTION-GEAR		AIR	0	94.4641	42	-0.2387	63	1111 68048000
		STEERING-LANDING-GEAR		AIR	0	14.7868	100	-1.1637	63	1192 68050000
		STEERING-LANDING-GEAR		AIR	0	27.1597	50	-0.8478	63	1198 68052000
		STEERING-LANDING-GEAR		AIR	0	18.1435	50	-1.2691	63	1198 68054000
		MAIN-LANDING-GEAR		AIR	0	24.1109	248	-0.955	63	1111 68056000
		MAIN-LANDING-GEAR		AIR	16.129	62.737	272	-0.62	63	1114 68058000
		MAIN-LANDING-GEAR		AIR	38.3345	55.9032	200	-0.3912	63	1198 68060000
		MAIN-LANDING-GEAR		AIR	40.1357	55.47	200	-0.299	63	1114 68062000
		MAIN-LANDING-GEAR		AIR	60.1529	77.5112	490	-0.4548	63	1194 68064000
		NOSE-LANDING-GEAR		AIR	81.6361	111.293	200	-0.2374	63	1198 68066000
		NOSE-LANDING-GEAR		AIR	82.5666	116.707	100	-1.6956	63	1198 68068000
		NOSE-LANDING-GEAR		AIR	87.2483	127.234	100	-1.49	63	1114 68070000
		NOSE-LANDING-GEAR		AIR	96.7741	215.909	136	-0.31	63	1114 68072000
		MAIN-LANDING-GEAR		AIR	110.316	131.718	200	-0.50763	63	1198 68074000
		MAIN-LANDING-GEAR		AIR	113.314	139.915	408	-0.353	63	1114 68076000
		MAIN-LANDING-GEAR		AIR	176.982	221.842	364	-1.9776	63	1227 68078000
		MAIN-LANDING-GEAR		AIR	293.165	344.618	946	-2.2854	63	1228 68080000
		NOSE-LANDING-GEAR		AIR	373.341	424.259	100	-2.5382	63	1198 68082000
		TAIL-LANDING-GEAR		AIR	370.438	457.4	63	-1.0798	64	1155 68084000
		NOSE-LANDING-GEAR		AIR	424.757	570.07	96	-0.4944	63	1227 68086000
		MAIN		AIR	428.571	608.354	640	-0.35	61	1090 68088000
		NOSE-LANDING-GEAR		AIR	443.181	514.678	204	-1.76	63	1114 68090000
		MAIN-LANDING-GEAR		AIR	530.458	608.142	812	-1.7532	64	1119 68092000
		NOSE		AIR	571.428	772.717	640	-0.35	61	1090 68094000
		NOSE-LANDING-GEAR		AIR	578.784	650.932	128	-2.1597	64	1155 68096000
		NOSE-LANDING-GEAR		AIR	647.058	976.361	64	-0.17	66	1225 68098000
		NOSE-LANDING-GEAR		AIR	774.226	828.191	597	-0.51789	47	1272 68100000
		NOSE-LANDING-GEAR		AIR	778.87	855.703	473	-1.1427	63	1228 68102000
		NOSE-LANDING-GEAR		AIR	787.132	923.037	484	-0.8769	64	1179 68104000
		NOSE-LANDING-GEAR		AIR	921.933	577.264	424	-0.938	44	1266 68106000
		MAIN-LANDING-GEAR		AIR	1176.08	1276.41	126	-2.1397	64	1155 68108000
		MAIN-LANDING-GEAR		AIR	1200.6	1281.78	608	-0.329	66	1250 68110000
		NOSE-LANDING-GEAR		AIR	1210.52	1319.16		-1.90	63	1224 68112000
		NOSE-LANDING-GEAR		AIR	1227.81	1394.68	192	-0.8274	66	1250 68114000
		NOSE-LANDING-GEAR		AIR	1529.48	1779.79		-0.4949	63	1123 68116000
		MAIN-LANDING-GEAR		AIR	1764.7	2253.82	64	-0.17	66	1225 68118000
		MAIN-LANDING-GEAR		AIR	1775.8	2249.87		-0.1802	66	1241 68120000
		MAIN-LANDING-GEAR		AIR	2678.86	2674.27	1164	-1.0357	63	1272 68122000
		MAIN-LANDING-GEAR		AIR	4821.05	7070.51		-1.90	43	2124 68124000
		MAIN-LANDING-GEAR		AIR	2351.85	2491.02		-0.216	63	2101 68126000
		TAIL		AIR	740.74	938.583		-0.188	63	2101 68128000
		NOSE		AIR	1157.4	1258.96		-0.216	63	2101 68130000
		AUXILIARY-POWER-UNIT		AIR	0	55.5824	76	-0.4113	66	1250 68132000
		AUXILIARY-POWER-UNIT		AIR	0	93.472	48	-0.2472	63	1227 68134000
		POWER-SECTION		AIR	2.83535	11.3286	448	-0.35269	63	1201 68136000

AND-PEAKING-ASSEMBLY  
ASSEMBLY  
ASSEMBLY  
COMPRESSOR  
COMPRESSOR  
COMPRESSOR

ARMY AIR DEVELOPMENT CENTER, CRIPPLER AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1949

PART CLASS	944 WHEELS			UPPER	PART	PART	VR	CROSS
PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	90 CONF LIMIT	POSITION	MOULDS	OF DATA	INSTR
							REP	SIZE REF 50
CONTROL	STEERING-LANDING-GEAR	AIR	0	55.9834	76	-04113	66	1250 68130000
CONTROL	AILERON-SYSTEM	AIR	0	7.89244	200	-23274	55	1190 68140000
CONTROL	AILERON-SYSTEM	AIR	0	6.07176	100	-25302	45	1190 68142000
CONTROL	ELEVATOR-TAB	AIR	0	193.847	31	-041194	63	1111 68144000
CONTROL	AILERON-SYSTEM	AIR	5.89761	22.9349	106	-13954	63	1190 68146000
CONTROL	AILERON-SYSTEM	AIR	0.7113	25.1023	100	-159	62	1115 68148000
CONTROL	AILERON-FLIGHT-CONTROL	AIR	85.846	143.893	152	-00226	65	1250 68150000
CONTROL	AILERON-FLIGHT-CONTROL	AIR	229.889	634.393	96	-04944	65	1227 68152000
CONTROL	LANDING-GEAR	AIR	0	63.1472	40	-02472	65	1227 68154000
MAGNESIUM-CAST-26X6-6	NOSE-LANDING-GEAR	AIR	2-03-36	3615.02	43	-00553	64	1240 68156000
MAGNESIUM-FORGED-30X11	MAIN-LANDING-GEAR	AIR	918.836	1367.52	66	-01306	64	1240 68158000
REACTION		LAB	0	177.123		-013	62	1136 68160000
REACTION		GRD	0	340.671		-00657	62	1136 68162000
REAC. TRACK- IDLER	(M-MILES)	GRD	46.6223M	72.0404M	60	-24608	64	1255 68164000
TRACK-ROAD	(M-MILES)	GRD	15.4995M	21.0077M	300	-1233M	63	1235 68166000
TURBINE	GAS-TURBINE-COMPRESSOR	AIR	0	19.7048	100	-11637	65	1190 68168000
	AUXILIARY-POWER-PLANT							
TURBINE	AUXILIARY-POWER-UNIT	AIR	0	55.9834	76	-04113	66	1250 68170000
TURBINE	AUXILIARY-POWER-UNIT	AIR	0	93.1473	40	-02472	65	1227 68172000
TURBINE	TURBOJET-J-85	AIR	0	5.03763	1092	-05708	65	1228 68174000
	GAS-TURBINE-COMPRESSOR	AIR	0	27.1597	50	-00498	65	1190 68176000
	AUXILIARY-POWER-PLANT							
TURBINE	GAS-TURBINE-COMPRESSOR	AIR	0	16.1435	50	-12491	55	1190 68178000
	AUXILIARY-POWER-PLANT							
TURBINE-FIRST-STAGE	POWER-SECTION	AIR	38.8896	63.1695	200	-20571	65	1201 68180000
TURBINE-SECOND-STAGE	POWER-SECTION	AIR	4.64121	18.3024	240	-20571	65	1201 68182000
TURBINE-THIRD-STAGE	POWER-SECTION	AIR	9.72242	25.8728	240	-20571	65	1201 68184000
WITH-TIRES	NOSE-LANDING-GEAR	AIR	4097.5	4277.64		-22111	65	1190 68186000

GO N.O.C.

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

PART CLASS 945 WINCHES

PART DESCRIPTION

100 M.C.C.

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART NO	PART LATION	PART HOURS	YR OF DATA INDEX	CROSS REF NO
RETRIEVAL-STATIC-LINE-AIR-DROP-SYSTEM	AIR	0	27.5917	152	-08226	66	1250	68160000
CARGO-COMPARTMENT	AIR	0	55.9834	76	-04113	66	1250	68190000
RETRIEVAL-STATIC-LINE-AIR-DROP-SYSTEM	AIR	40.453	107.051	96	-04944	65	1227	68197000
CARGO-COMPARTMENT	AIR	80.9061	213.303	49	-02472	65	1227	68194000
RESCUE-HOIST-SYSTEM	HELI	731.452	1229.27	216	-00557	63	1118	68196000
RESCUE-HOIST-SYSTEM	HELI	1289.13	2167.75	216	-00543	63	1118	68197000
RESCUE-HOIST-SYSTEM	HELI	333.333	513.955	120	-03	65	1215	68200000
600LB-MAX.100FT/MIN-HYDRAULIC-MOTOR-CONSTANT-DISPLACEMENT								
310 HOIST								
CABLE-RESCUE-HYDRAULIC-DRIVE-COIL-WATING	AIR	83.752	325.77	31	-01194	63	1111	68207000
ELECTRONIC-EQUIPMENT	HELI	548.13	705.817	151	.107	66	1234	68204000A
GUN-TURRET	AIR	502.512	882.085	31	-01194	63	1111	68206000

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1962

PART CLASS 946 WINDCLASSES

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT RATE

UPPER PART  
90 CONF POPU-  
LITY LATION

VE OF DATA INDEX  
PART HOURS RPT SIZE REF IN

-00 N.B.C.

0001.0001-0001.0001

ATM

83.732

323.77

31

.01194

63 1111 00000000

44

# NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.

## SECTION I FAILURE RATE DATA

PART CLASS 5-7 WINGS

UPPER PART POPU- PART PART CROSS  
90 CONF LATION HOURS OF DATA INDEX  
FAILURE RATE LIMIT

### FUNCTIONAL APPLICATION

PART DESCRIPTION

100 M.O.C.

ENVIRONMENT RATE  
AIR 39.9265 67.1392 812 17532 54 1179 68210000  
AIR 57.5072 77.8045 948 22994 65 1228 68210000  
GRD 126.562 492.767 10079 62 1135 68214000  
AIR 142.898 159.159 1194 10357 67 1272 68216000

WIGHT-HAND

10 LOCK

PSL 400 104.46 61 212 68210000

20 BOX REAM

AIR 93.1472 48 02472 65 1227 68220000  
AIR 55.9834 76 04113 66 1250 68222000

CENTER

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA JANUARY 1960

PART CLASS	948 WINDSHIELDS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF (THIT)	PART POPU- (LATION)	PART HOURS	YR OF DATA	CROSS INDEX
00 N.O.C.									
	SIDE-PANELS		AIR	2	66.3395	0	.04969	63 1123	68224000
	INSTRUCTOR		AIR	11.4077	44.3725	466	.08764	64 1179	68224000
	SIDE		AIR	20.2265	78.6751	96	.04964	63 1227	68224000
	CENTER		AIR	23.3131	94.5708	76	.04113	66 1250	68230000
	CENTER		AIR	40.453	157.35	46	.02472	63 1237	68231000
	FRONT		AIR	49.8107	92.3958		.10038	63 1123	68234000
	FRONT		HEAT	92.1658	358.497	40	.01085	66 1257	68234000
	FORWARD-PANELS		AIR	54.451	188.749	90	.04235	64 1144	68238000
	CENTER-PANELS		AIR	94.5735	251.407	45	.02117	64 1144	68240000
	INSTRUCTOR		AIR	122.916	176.144	473	.11427	63 1228	68242000
	STUDENT		AIR	205.338	282.412	406	.08764	64 1179	68244000
	STUDENT		AIR	236.282	305.935	473	.11427	63 1228	68246000
	FRONT		AIR	303.388	430.671	96	.04944	63 1227	68248000
	FRONT		AIR	340.384	438.608	152	.08226	64 1250	68250000
	SCAPE-SYSTEM		AIR	74.0843	103.957	126	.21597	64 1153	68252000
	GLASS		AIR	148.148	187.697		.216	63 2108	68254000
	GLASS		AIR	250P				66 2362	68256000
	SLIDING-LH	WINDOWS-707-121	AIR	260P				65 2361	68258000
	SLIDING-LH	WINDOWS-707-231	AIR	270P				63 2363	68260000
	SLIDING-LH	WINDOWS-707-331	AIR	310P				66 2364	68262000
	SLIDING-LH	WINDOWS-707-131	AIR	270P				66 2364	68264000
	SLIDING-LH	WINDOWS-707-131	AIR	250P				66 2362	68266000
	SLIDING-LH	WINDOWS-707-131	AIR	310P				66 2364	68268000
10 CLEAR VISION									
15 GLASS ARMOR									
25 INSTRUCTOR			AIR	20.2265	78.6751	96	.04944	63 1227	68270000
			AIR	24.3131	64.7009	152	.08226	64 1250	68272000
30 SIDE			AIR	130.434	179.593		.138	59 1070	68274000
35 STUDENT			AIR	42.48	56.6148	597	.51789	67 1272	68276000
			AIR	36.4697	61.2156	152	.08226	66 1250	68278000
			AIR	363.015	359.348	597	.51789	67 1272	68280000

MOPE AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS 545 WINDOWS

PART DESCRIPTION

FUNCTIONAL APPLICATION

ENVIRONMENT

FAILURE RATE

UPPER  
90 CONF  
LIMIT

PART  
PRO-  
LATION

PART  
HOURS

YR  
OF  
RPT

CROSS  
DATA INDEX  
SRCE REF NO

200 N.O.C.

LOWER-FEL-AIRFRAME	AIR	0	9.89344	200	.23274	65	1194	58282000
LOWER-FORWARD-AIRFRAME	AIR	0	9.89344	200	.23274	65	1194	58282000
LOADING-EDGE-LIGHT-EXTERIOR	AIR	0	9.89344	200	.23274	65	1194	58282000
CARGO-COMPARTMENT	AIR	1.27759	3.26681	1400	1.6772	65	1198	68286000
CAHCC-COMPARTMENT	AIR	2.02593	7.88026	912	.4935	66	1250	58290000
CAHCC-COMPARTMENT	AIR	3.37109	13.1125	576	.29664	65	1271	68292000
LOWER-FORWARD-AIRFRAME	AIR	3.93995	15.3252	100	.25381	65	1198	68294000
COPICTS-FORWARD-LOWER	AIR	8.59328	33.4252	100	.11637	65	1198	68296000
LOADING-EDGE-LIGHT-EXTERIOR	AIR	11.3636	30.2403	204	.176	65	1114	68298000
LOADING-EDGE-LIGHT-EXTERIOR	AIR	11.8194	26.321	100	.25382	65	1198	68300000
COOR-CARGO-MAIN	HELL	14.4404	38.4281	160	.1385	66	1257	68302000
ROOF-WORK-DECK	HELL	14.4508	56.2095	80	.0692	65	1257	68304000
COPICTS-FORWARD-UPPER	AIR	17.1805	43.735	100	.11637	65	1198	68306000
CAHCC-COMPARTMENT	AIR	21.9508	27.179	700	.17767	65	1198	68308000
COPICTS-FORWARD-LOWER	AIR	22.7272	60.4806	102	.088	65	1114	68310000
DOOR-ENTRANCE-FLIGHT	AIR	23.6127	51.8465	90	.04235	64	1145	68312000
CAHCC-COMPARTMENT	AIR	24.3131	94.5708	76	.04113	66	1250	68314000
UPPER-CHEN	AIR	27.5303	34.6263	1428	1.235	65	1214	68316000
LOWER-ZFT-AIRFRAME	HELL	28.8878	50.7082	240	.2077	66	1257	68318000
COPICTS-FORWARD-LOWER	AIR	34.1909	59.8414	204	.176	65	1114	68320000
DOOR-ENTRANCE-FLIGHT	AIR	39.3979	73.0809	50	.12641	65	1198	68322000
DOOR-ENTRANCE-FLIGHT	HELL	39.4477	104.976	160	.0507	66	1257	68324000
DOOR-ENTRANCE-FLIGHT	AIR	40.451	157.35	48	.02472	65	1227	68326000
LOWER-FORWARD-AIRFRAME	AIR	47.1819	76.6377	100	.16956	65	1198	68328000
LOWER-AFT-AIRFRAME	AIR	51.2194	74.6534	100	.25381	65	1198	68330000
LOADING-EDGE-LIGHT-EXTERIOR	AIR	53.0785	83.7815	100	.16956	65	1198	68332000
LOWER-FORWARD-AIRFRAME	AIR	53.6912	87.2127	100	.149	65	1114	68334000
COPICTS-FORWARD-UPPER	AIR	55.1571	92.7495	50	.12691	65	1198	68336000
LOADING-EDGE-LIGHT-EXTERIOR	AIR	60.4026	95.3422	100	.149	65	1114	68338000
UPPER-CHEN	HELL	65.7894	122.035	240	.076	66	1257	68340000
WING-TIP-LIGHT-EXTERIOR	AIR	70.9163	57.5348	100	.25382	65	1198	68342000
COPICTS-FORWARD-UPPER	AIR	79.5454	133.76	102	.088	65	1114	68344000
WING-TIP-LIGHT-EXTERIOR	AIR	80.507	127.565	204	.176	65	1114	68346000
DOOR-WORK-DECK	HELL	82.1638	458.497	40	.01085	66	1257	68348000
COPICTS-FORWARD-LOWER	AIR	85.357	153.257	50	.08479	65	1198	68350000
COPICTS-FORWARD-LOWER	AIR	107.382	150.681	100	.076	65	1114	68352000
LOWER-AFT-AIRFRAME	AIR	112.054	152.763	100	.16956	65	1198	68354000
CAHCC-COMPARTMENT	AIR	121.395	131.903	1200	2.0347	65	1198	68356000
CARGO-COMPARTMENT	AIR	127.802	133.041	1200	1.798	65	1198	68358000
COPICTS-FORWARD-UPPER	AIR	141.526	203.712	50	.08479	65	1198	68360000
COPICTS-FORWARD-UPPER	AIR	160	237.687	50	.076	65	1114	68362000
WING-TIP-LIGHT-EXTERIOR	AIR	171.03	219.382	100	.16956	65	1198	68364000
WING-TIP-LIGHT-EXTERIOR	AIR	181.2	234.525	100	.149	65	1114	68366000
FUSELAGE-FORWARD	HELL	408.333	466.441	560	.24	65	1215	68370000

HOME AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION 1 FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	549 WINGCOMS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART LAYON	PART HOURS	YR OF DATA	CROSS INDEX RPT SRCE PER NO
CH-MAIN ENGINE		TV-VIEW-FINDER	AIR	191.387	509.311	50		-0.0145	63	1198 68377000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	272.222	591.366	50		-0.09	63	1114 68374000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	*	27.9917	152		-0.0826	64	1250 68376000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	*	55.9834	76		-0.4113	64	1250 68378000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	*	4.94672	400		-0.4548	65	1198 68378000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	*	46.5736	96		-0.04944	65	1227 68387000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	2.83286	11.0189	408		-0.353	63	1114 68384000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	5.90981	13.1637	200		-0.30783	65	1198 68385000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	7.87975	15.7468	200		-0.50763	65	1198 68388000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	8.49858	18.9257	408		-0.353	63	1114 68390000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	15.0362	28.2876	400		-0.6548	64	1198 68397000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	16.129	62.137	272		-0.62	63	1114 68396000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	20.2265	78.6751	96		-0.04944	65	1227 68396000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	24.3131	64.7009	152		-0.4226	64	1250 68398000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	36.7892	55.5122	208		-0.299	63	1114 68400000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	38.3365	55.9033	200		-0.3912	63	1198 68402000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	40.453	152.35	48		-0.0472	65	1227 68404000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	88.4642	112.987	200		-0.3912	63	1198 68406000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	96.9899	125.409	200		-0.299	63	1114 68408000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	230P					66	2364 68410000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	260P					65	2521 68412000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	270P					65	2364 68414000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	430P					66	2364 68416000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	1843.31	2492.67	40		-0.01085	66	1257 68418000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	34.3731	68.6906	100		-0.1137	65	1198 68420000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	42.9664	79.27	100		-0.1137	65	1198 68422000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	47.6666	249.313	68		-0.014	63	1114 68424000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	85.9328	132.393	100		-0.1637	65	1198 68426000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	129.032	257.856	136		-0.31	63	1114 68428000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	133.957	267.856	136		-0.31	63	1114 68430000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	147.727	136.006	50		-0.12491	65	1198 68432000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	148.975	215.431	102		-0.081	63	1114 68434000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	158.975	198.001	200		-0.3274	65	1198 68436000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	192.181	265.251	102		-0.088	63	1114 68438000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	204.545	281.321	102		-0.088	63	1114 68440000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	216.660	315.965	208		-0.07	65	1198 68442000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	252.501	301.265	200		-0.23274	65	1198 68444000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	260.026	325.216	50		-0.12691	65	1198 68446000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	260.026	325.216	50		-0.12691	65	1198 68448000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	293.333	350.536	50		-0.075	63	1114 68450000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	318.433	412.303	50		-0.08479	63	1198 68452000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	357.727	465.852	204		-0.176	63	1114 68454000
CH-MAIN ENGINE		FLIGHT-TRACK-NAVIGATION	AIR	411.333	525.731	50		-0.075	64	1114 68456000

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PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR RPT SRC	DATA INDEX	YR RPT SRC
PILOTS-FORMER-DOWEN									
PILOTS-FORMER-DOWEN		AIR	424.518	520.464	50	-0.8479	63	1198	68450000
CENTER-AIRFRAME		AIR	476.666	550.57	50	-0.75	63	1114	68450000
FRONT-AIRFRAME		AIR	46.997	520.537	100	-2.3381	63	1198	68450000
CENTER-AIRFRAME		AIR	483.547	555.471	50	-0.8479	63	1198	68450000
WING-AIRFRAME		AIR	500	575.477	204	-1.16	63	1114	68450000
FRONT-AIRFRAME		AIR	518.99	567.334	100	-1.6956	63	1198	68450000
WING-AIRFRAME		AIR	527.953	591.339	100	-2.5391	63	1198	68450000
FRONT-AIRFRAME		AIR	530.201	615.137	100	-1.49	63	1114	68450000
WING-AIRFRAME		AIR	691.275	787.01	100	-1.49	63	1114	68450000
FRONT-AIRFRAME		AIR	707.714	797.912	100	-1.6956	63	1198	68450000
WING-AIRFRAME		AIR	34.3131	55.8335	200	-2.3274	63	1198	68450000
FRONT-AIRFRAME		AIR	159.09	204.999	204	-1.16	63	1114	68450000
WING-AIRFRAME		AIR	220.637	283.443	100	-2.5381	63	1198	68450000
FRONT-AIRFRAME		AIR	300.778	362.284	100	-1.6956	63	1198	68450000
WING-AIRFRAME		AIR	308.724	375.651	100	-1.49	63	1114	68450000
FRONT-AIRFRAME		AIR	*	55.9834	76	-0.4113	63	1277	68450000
WING-AIRFRAME		AIR	*	93.1472	48	-0.2472	63	2361	68450000
FRONT-AIRFRAME		AIR	260P				63	2362	68450000
WING-AIRFRAME		AIR	460P				63	2364	68450000
FRONT-AIRFRAME		AIR	550P				63	1114	68450000
WING-AIRFRAME		AIR	1.89035	7.35293	612	-5.29	63	1198	68450000
FRONT-AIRFRAME		AIR	2.86438	7.22276	600	-5.9823	63	1198	68450000
WING-AIRFRAME		AIR	7.8797	13.8314	500	-7.6145	63	1198	68450000
FRONT-AIRFRAME		AIR	21.5053	57.229	408	-0.93	63	1114	68450000
WING-AIRFRAME		AIR	73.3333	92.5643	300	-4.5	63	1114	68450000
FRONT-AIRFRAME		AIR	74.7046	92.7649	300	-5.0867	63	1198	68450000
WING-AIRFRAME		AIR	55.8503	148.626	93	-0.3581	63	1114	68450000
FRONT-AIRFRAME		AIR	188.723	284.821	50	-0.8479	63	1198	68450000
WING-AIRFRAME		AIR	200	283.998	50	-0.75	63	1114	68450000
PILOTS-FORMER-DOWEN									
PILOTS-FORMER-DOWEN		AIR	4.29664	16.7126	200	-2.3274	63	1198	68450000
CENTER-AIRFRAME		AIR	86.579	119.52	100	-2.5381	63	1198	68450000
FRONT-AIRFRAME		AIR	96.5909	134.125	204	-1.16	63	1114	68450000
WING-AIRFRAME		AIR	265.392	323.649	100	-1.6956	63	1198	68450000
FRONT-AIRFRAME		AIR	288.59	353.997	100	-1.49	63	1114	68450000

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 HONOLULU AIR DEVELOPMENT CENTER, GRIFFISS AFB, H.V.  
 SECTION I  
 FAILURE RATE DATA  
 NONELECTRONIC PART FAILURE RATE DATA  
 JANUARY 1968

PART CLASS	WIRE, CABLES AND HARNESS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PARTY PUPU- LATION	PART HOURS	YR OF DATA RPT SRCE REP NO	CRGS INDEX
PART DESCRIPTION									
00 N.O.C.									
CABLE-ELECTRICAL			AIR GND	24				63 216	68526600
CABLE-ASSEMBLIES	RUDDER-JUMPER		HEL	4	46.3593		.04969	63 1123	68528000
CABLE-ASSEMBLIES	RESCUE-MOIST-SYSTEM		AIR	•	1718.35	150	.06144	63 1118	68530350
CABLE-ASSEMBLIES	AUTO-FLIGHT-CONTROL-SYSTEM		SIM GND AIR	•	55.3775	195	.04158	64 1181	68532000A
CABLE-ASSEMBLIES	POUNDER-STOP-FUNK-SYSTEM		HEL	•	46.3393		.04969	63 1123	68534000
CABLE-ASSEMBLIES	AUTO-FLIGHT-CONTROL-SYSTEM		AIR	•	76.7533	139	.03	63 1117	68536000
CABLE-ASSEMBLIES			LAB	102				63 1136	68538000
CABLE-ASSEMBLIES	CONTROL-LANDING-GEAR		AIR	11.4077	30.3576	812	.17532	64 1179	68540000
CABLE-ASSEMBLIES	BRAKE-SYSTEM		SIM GND AIR	57.0385	105.803	406	.08766	64 1179	68542000
CABLE-ASSEMBLIES	BRAKE-SYSTEM-LANDING-GEAR		SIM GND AIR	61.2584	103.005	473	.11427	65 1228	68544000
CABLE-ASSEMBLIES	STABILIZER-HORIZONTAL		AIR	70.0096	113.719	473	.11427	65 1228	68546000
CABLE-ASSEMBLIES	STABILIZER-HORIZONTAL		AIR	102.669	162.051	406	.08766	64 1179	68548000
CABLE-ASSEMBLIES	AILERON-SYSTEM-FLIGHT-CONTROL		LAB	262.377	347.402	406	.08766	64 1179	68550000
CABLE-ASSEMBLIES	RESCUE-MOIST-SYSTEM		AIR	336.7	508.054	150	.03267	63 1118	68552000
CABLE-ASSEMBLIES	AILERON-SYSTEM-FLIGHT-CONTROL		AIR	350.048	432.223	473	.11427	65 1228	68554000
CABLE-ASSEMBLIES	RUDDER-SYSTEM		AIR	866.369	988.977	473	.11427	65 1228	68556000
CABLE-ASSEMBLIES	RUDDER-SYSTEM		AIR	981.063	1131.04	406	.08766	64 1179	68558000
CABLES	ENGINE-CONTROLS		AIR	•	93.1472	46	.02472	65 1227	68560000
CABLES	RUDDER-CONTROL-SYSTEM		AIR	•	55.9834	76	.04113	66 1250	68562000
CABLES	ENGINE-CONTROLS		AIR	•	55.9834	76	.04113	66 1250	68564000
CABLES	RUDDER-AUTOPILOT-SYSTEM		AIR	•	19.7868	100	.11637	65 1198	68566000
CABLES	PILOT-ACCESS-STEP		AIR	•	11.5855		.19874	63 1123	68568000
CABLES	AILERON-SYSTEM-AUTO-FLIGHT-CONTROL-SYS		AIR	•	18.6596	228	.1234	66 1250	68570000
CABLES	ELEVATOR-AUTOPILOT-SYSTEM		AIR	•	15.7868	100	.11637	65 1198	68572000
CABLES	ELEVATOR-ASSEMBLY		AIR	•	55.9834	76	.04113	66 1250	68574000
CABLES	UPLOCK-INITIATOR-AIR-DROP-SYSTEM		AIR	•	46.5736	96	.04944	65 1227	68576000
CABLES	RUDDER-AUTOPILOT-SYSTEM		AIR	•	27.1597	50	.04478	63 1198	68578000
CABLES	WING-FLAP-ASSEMBLY		AIR	•	19.7868	100	.11637	65 1198	68580000
CABLES	RELEASE-LIFE-Raft-RADIO		AIR	•	9.32082	456	.2468	66 1250	68582000
CABLES	SURVIVAL-EQUIPMENT								
CABLES	UPLOCK-INITIATOR-AIR-DROP-SYSTEM		AIR	•	27.9517	152	.06236	66 1250	68584000
CABLES	AILERON-AUTOPILOT-SYSTEM		AIR	•	9.59344	200	.23274	65 1198	68586000
CABLES	ELEVATOR-ASSEMBLY		AIR	•	9.59344	200	.23274	65 1198	68588000
CABLES	WING-FLAP-SYSTEM		AIR	•	55.9834	76	.04113	66 1250	68590000
CABLES	TENSION-REGULATING-RUDDER-ASSEMBLY		AIR	•	18.1435	50	.12691	65 1198	68592000
CABLES	RUDDER-CONTROL-SYSTEM		AIR	•	93.1472	46	.02472	65 1227	68594000
CABLES	AILERON-AUTOPILOT-SYSTEM		AIR	•	27.1597	50	.04478	63 1198	68596000
CABLES	RELEASE-TAKEOFF-ASSIST-SYSTEM		AIR	•	2.2679	400	1.0151	65 1198	68598000
CABLES	TENSION-REGULATING-ELEVATOR-ASSEMBLY		AIR	•	9.89344	200	.23274	65 1198	68600000
CABLES	ENGINE-CONTROLS		AIR	•	1.134	800	2.0305	65 1198	68602000
CABLES	TENSION-REGULATING-RUDDER-ASSEMBLY		AIR	•	19.7868	100	.11637	65 1198	68604000
CABLES	CONTROL-ENGINE-THRUSTLE		AIR	•	24.1109	248	.0955	63 1111	68606000
CABLES	ELEVATOR-ASSEMBLY		AIR	•	93.1472	46	.02472	65 1227	68608000
CABLES	SUPPORT-SEAT-CANOPY-COMPARTMENT		AIR	•	4.65736	960	.4944	65 1227	68610000
CABLES	MOUNTING-AIR-DROP-SYSTEM		AIR	•	93.1472	46	.02472	65 1227	68612000

KORE AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	21 WIRE, CABLES AND HARNESS	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA	CROSS INDEX
PART DESCRIPTION								RPT	SRCR REF NO
CABLES	TENSION-REGULATING-AILERON-CONTROL	AIR	•	•	12.5798	105	16954	65	1198 88614000
CABLES	LANDING-GEAR-ROSE-EMERGENCY	AIR	•	•	5.89344	200	23274	65	1198 88614000
CABLES	ANCHOR-STATIC-LINE-AIR-DROP-SYSTEM	AIR	•	•	23.2868	192	09888	65	1227 88618000
CABLES	ELEVATOR-ASSEMBLY-AUTS-FLIGHT-CONT	AIR	•	•	55.9834	76	04113	66	1250 88620000
CABLES	AILERON-SYSTEM-AFCS	AIR	•	•	31.049	144	07416	65	1227 88622000
CABLES	HULL-AUTOPILOT-SYSTEM	AIR	•	•	18.1435	50	12691	65	1198 88624000
CABLES	TENSION-REGULATING-AILERON-CONTROL	AIR	•	•	9.07178	100	23382	65	1198 88626000
CABLES	STEERING-LANDING-GEAR	AIR	•	•	328.942	4	007	62	1093 88628000
CABLES	DOOR-MECHANICAL-FORWARD-ENTRANCE	AIR	•	•	31.049	144	07416	65	1227 88630000
CABLES	ELEVATOR-SYSTEM-AFCS	AIR	•	•	93.1472	48	02472	65	1227 88632000
CABLES	RELEASE-TAKEOFF-ASSIST-SYSTEM	AIR	•	•	93.1472	48	02472	65	1227 88634000
CABLES	ELEVATOR-AUTOPILOT-SYSTEM	AIR	•	•	2.452	800	93907	65	1198 88636000
CABLES	PITCH-TRIM-ACTUATOR	AIR	•	•	18.1435	50	12691	65	1198 88638000
CABLES	DEPRESS-DOOR-EMERG-FWD-ESCAPE-MATCH. CARGO	AIR	•	•	93.1472	48	02472	65	1227 88640000
CABLES	TENSION-REGULATING-AILERON-CONTROL	AIR	•	•	74.2774	14	031	62	1093 88644000
CABLES	AILERON-SYSTEM-A-FLIGHT-CONTROL	AIR	•	•	9.89344	200	23274	63	1148 88646000
CABLES	AILERON-AUTOPILOT-SYSTEM	AIR	•	•	55.9834	76	04113	64	1250 88648000
CABLES	RUDDER-A-SEPOLY	AIR	•	•	13.5798	100	16956	63	1198 88650000
CABLES	DEPRESS-DOOR-EMERG-FWD-ESCAPE-MATCH. CARGO	AIR	•	•	13.5798	100	16956	63	1198 88652000
CABLES	DOOR-CAMERA	AIR	•	•	32.1502	186	07162	63	1111 88656000
CABLES	CONTROL-STEERING-SYSTEM	AIR	•	•	24.1109	248	09522	63	1111 88658000
CABLES	WING-FLAP-ASSEMBLY	AIR	•	•	13.5798	100	16956	63	1198 88660000
CABLES	ELEVATOR-ASSEMBLY	AIR	•	•	115.17	2	02	62	1093 88662000
CABLES	RESTRAINT-STANCHION-LITTER/SEAT. CARGO	AIR	•	•	9.07178	100	23382	65	1198 88664000
CABLES	RELEASE-AIR-PANEL-RADIATOR-SURVIVAL-EQUIPMENT	AIR	•	•	13.3067	336	17304	65	1227 88666000
CABLES	RELEASE-AIR-PANEL-RADIATOR-SURVIVAL-EQUIPMENT	AIR	•	•	15.5245	288	14832	62	1227 88668000
CABLES	CONTROL-PARKING-BRAKE-LANDING-GEAR	AIR	•	•	93.1472	48	02472	65	1227 88670000
CABLES	RELEASE-TAKEOFF-ASSIST-SYSTEM	AIR	•	•	3.39501	400	07523	63	1198 88672000
CABLES	PITCH-TRIM-ACTUATOR	AIR	•	•	209.327	2	011	62	1093 88674000
CABLES	ENGINE-CONTROLS	AIR	•	•	55.9834	76	04113	66	1250 88676000
CABLES	AMPLIFIER-TEMPERATURE-DATUM-VALVE	AIR	•	•	089509	9600	11172	65	1198 88678000
CABLES	ENGINE-CONTROLS	AIR	•	•	1.95021	1716	14949	65	1201 88680000
CABLES	CONTROL-ENGINE-POWER-PLANT	AIR	•	•	834028	800	1194	63	1114 88682000
CABLES	SUPPORT-SEAT-CARGO-COMPARTMENT	AIR	•	•	1.15758	504	06387	65	1155 88684000
CABLES	ENGINE-CONTROLS	AIR	•	•	1.21565	1520	0226	64	1250 88686000
CABLES	RELEASE-AIR-PANEL-SURVIVAL-EQUIPMENT	AIR	•	•	1.47438	392355	13565	63	1198 88688000
CABLES	AILERON-SYSTEM	AIR	•	•	1.27556	750	19034	65	1198 88690000
CABLES	DISCONNECT-STABILIZER-HORIZONTAL	AIR	•	•	1.96993	200	50763	65	1198 88692000
CABLES		AIR	•	•	2.1878	6.50988	43708	65	1228 88694000

NAME AIR DEVELOPMENT CENTER, MISS ABZ, N.Y.  
SECTION 1 FAILURE RATE DATA

**FAILURE RATE DATA**

**FAILURE RATE DATA**

NON-ELECTRONIC PART FAILURE RATE DATA

8306 : 1 376-1207P

PART CLASS	951 WIRE, CABLES AND HARNESSSES	PART DESCRIPTION	FUNCTIONAL APPLICATION	ENVIRONMENT RATE	UPPER 90 CONF LTMV	PART POPU- LATION	PART HOUSES	YR OF DATA	CROSS INDEX REF NO
CABLES		ENGINE-CONTROL	AIR	2.31481	6.16008				
CABLES		AILERON-SYSTEM	AIR	2.83286	11.0189	408	-864	63	2109 68490000
CABLES		AILERON-SYSTEM	AIR	2.9488	11.4699	200	-332	63	1114 68490000
CABLES		AILERON-SYSTEM	AIR	3.34448	13.009	200	-33912	63	1198 68700000
CABLES		WINGFOLD-FLIGHT-CONTROL-SYSTEM	AIR	3.36737	6.72971	693	-299	63	1114 68702000
CABLES		STEERING-LANDING-GEAR	AIR	4.29664	16.7126	100	1-1876	64	1155 68704000
CABLES		RELEASE-MANUAL-MLG-EMERGENCY	AIR	4.29664	16.7126	100	-23274	62	1198 68706000
CABLES		DISCONNECT-STABILIZER-HORIZONTAL	AIR	4.34467	6.83783	2388	-23274	65	1198 68708000
CABLES		STEERING-LANDING-GEAR	AIR	5.68181	22.1005	204	2.0715	67	1272 68710000
CABLES		LANDING-GEAR-MAIN	AIR	5.70385	22.1062	812	-176	63	1114 68712000
CABLES		DISCONNECT-STABILIZER-HORIZONTAL	AIR	5.70385	15.1788	1624	-17532	64	1179 68714000
CABLES		TENSION-REGULATING-ELEVATOR-ASSEMBLY	AIR	2.89761	22.9329	100	-35064	54	1179 68716000
CABLES		RELEASE-EMERGENCY-MAIN-LANDING-GEAR	AIR	2.89761	22.9329	100	-16959	65	1198 68718000
CABLES		TENSION-REGULATING-ELEVATOR-ASSEMBLY	AIR	6.07902	23.6453	304	-1645	66	1250 68720000
CABLES		WING-FLAP-ASSEMBLY	AIR GND	7.14285	26.1053	100	-149	63	1114 68722000
CABLES		STEERING-LANDING-GEAR	AIR	7.6796	30.6192	50	1.40	58	212 68724000
CABLES		RUDDER-ASSEMBLY	AIR	8.10372	31.521	228	-12691	65	1198 68726000
CABLES		AILERON-SYSTEM	AIR	8.59328	33.4252	100	-1234	66	1250 68728000
CABLES		LANDING-GEAR-MAIN	AIR	8.59328	17.1727	400	-11827	65	1198 68730000
CABLES		JETTISON-CANOPY-INSTRUCTOR-EXTERNAL	AIR	8.7512	23.2882	946	-46546	65	1198 68732000
CABLES		RELEASE-LIFE-Raft-SURVIVAL-EQUIPMENT	AIR	8.7512	34.0995	473	-22894	65	1228 68734000
CABLES		RELEASE-EMERGENCY-MLG	AIR	9.45179	17.5325	612	-11427	65	1228 68736000
CABLES		RUDDER-ASSEMBLY	AIR	10.1132	39.3375	192	-529	63	1114 68738000
CABLES		WING-SPOILER-SYSTEM	AIR	11.3626	44.2011	102	-09888	65	1227 68740000
CABLES		ELEVATOR-ASSEMBLY	AIR	11.1164	14.4689	4508	0.88	63	1114 68742000
CABLES		ANCHOR-STATIC-LINE-AIR-DROP-SYSTEM	AIR	11.7952	23.5714	300	3.414	66	1250 68744000
CABLES		CONTROL-LANDING-GEAR	AIR	12.158	32.354	304	-33912	63	1198 68746000
CABLES		ELEVATOR-ASSEMBLY	AIR	12.3456	48.0209	27	-1645	66	1250 68748000
CABLES		RELEASE-MANUAL-CHUTE-AIR-DROP-SYSTEM	AIR	13.1268	29.2325	943	-081	62	1093 68750000
CABLES		CONTROL-LANDING-GEAR	AIR	13.3779	26.7362	200	-22894	65	1228 68752000
CABLES		INTERCONNECT-LANDING-GEAR	AIR	13.4843	52.4501	144	-299	63	1114 68754000
CABLES		STEERING-LANDING-GEAR	AIR	14.4829	20.5984	1194	-07616	65	1227 68756000
CABLES		RUDDER-ASSEMBLY	AIR	15.0285	25.2713	400	1.037	67	1272 68758000
CABLES		RELEASE-MANUAL-CHUTE-AIR-DROP-SYSTEM	AIR	15.7591	31.4929	100	-46578	65	1198 68760000
CABLES		CONTROL-LANDING-GEAR	AIR	15.7591	41.9375	50	-25382	65	1198 68762000
CABLES		RELEASE-MANUAL-CHUTE-AIR-DROP-SYSTEM	GND	16.2074	63.2421	15	-12691	65	1198 68764000
CABLES		ELEVATOR-AUTOPILOT-SYSTEM	AIR	16.2074	43.1304	228	-08174	66	1250 68766000
CABLES		CONTROL-TAIL-ROTOR	AIR	16.414	22.7924	1194	-1234	66	1250 68768000
CABLES		ELEVATOR-AUTOPILOT-SYSTEM	MELI	17.6928	39.4018	100	1.0357	67	1272 68770000
CABLES		TENSION-REGULATING-RUDDER-ASSEMBLY	AIR	19.7238	76.7196	160	-14956	63	1198 68772000
CABLES		CONTROL-PARKING-BRAKE-LANDING-GEAR	AIR	20.1342	44.8375	100	-0507	66	1257 68774000
CABLES		DOOR-MECHANICAL-FORWARD-ENTRANCE	AIR	23.5904	62.7777	50	-149	63	1114 68776000
CABLES		TENSION-REGULATING-RUDDER-ASSEMBLY	AIR	24.3131	94.5708	76	-04478	63	1198 68778000
CABLES		TENSION-REGULATING-RUDDER-ASSEMBLY	AIR	24.3131	94.5708	76	-04113	66	1250 68780000
CABLES		TENSION-REGULATING-RUDDER-ASSEMBLY	AIR	26.6666	70.464	50	-075	63	1114 68782000

HOME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I  
FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	951 WING, CABLES AND HARNESSES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA INDEX	CROSS RPT SAGE CFF NO
PART DESCRIPTION									
200 N.O.C.									
CABLES	TENSION-REGULATING-ELEVATOR-ASSEMBLY	AIR	21.5681	63.0813	50	-12671	65 1198 68786000		
CABLES	JETTISON-CARGO-EXTERNAL	AIR	32.8235	45.5813	597	-51789	67 1277 68786000		
CABLES	TENSION-REGULATING-ELEVATOR-ASSEMBLY	AIR	34.0909	75.9181	102	-088	63 1114 68790000		
CABLES	INTERCONNECT-LANDING-GEAR	AIR	34.0909	59.8414	204	-176	63 1114 68792000		
CABLES	SYNCHRONIZING-VARIABLE-GEOMETRY-TURBOJET	AIR	39.2695	78.4758	812	-10186	64 1179 68794000		
CABLES	SYNCHRONIZING-VARIABLE-GEOMETRY-TURBOJET	AIR	35.3804	62.1197	946	-22354	65 1228 68795000		
CABLES	DOOR-MECHANICAL-PERSONNEL-CARGO-COMP	AIR	40.453	80.8409	192	-09888	63 1227 68798000		
CABLES	AILERON-SYSTEM-FLIGHT-CONTROL	AIR	40.453	157.35	48	-02472	65 1227 68800000		
CABLES	WING-FLAP-SYSTEM	AIR	40.453	157.35	48	-02472	65 1227 68802000		
CABLES	INTERCONNECT-LANDING-GEAR	AIR	46.9788	78.9993	100	-149	63 1114 68804000		
CABLES	STEERING-LANDING-GEAR	AIR	47.1809	94.2837	50	-08378	62 1128 68805000		
CABLES	INTERCONNECT-LANDING-GEAR	AIR	47.1809	76.6377	100	-16956	63 1198 68806000		
CABLES	DOOR-MECHANICAL-PERSONNEL	AIR	48.6322	78.9751	304	-1645	66 1250 68810000		
CABLES	CARGO-COMPARTMENT	AIR	51.2173	74.4905	100	-25382	65 1198 68812000		
CABLES	INTERCONNECT-LANDING-GEAR	AIR	53.3333	106.58	50	-075	63 1114 68814000		
CABLES	STEERING-LANDING-GEAR	AIR	56.7536	220.754	64	-01762	65 1201 68816000		
CABLES	IGNITER	AIR	57.9279	73.983	597	-51789	67 1272 68818000		
CABLES	DOOR-LANDING-GEAR-NOSE	AIR	68.4462	120.147	406	-08766	64 1179 68820000		
CABLES	RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT	AIR	68.7462	90.4687	300	-34911	65 1198 68822000		
CABLES	RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT	AIR	70.7714	124.228	50	-08478	63 1198 68824000		
CABLES	FEEDBACK-VARIABLE-GEOMETRY-TURBOJET	AIR	78.5391	127.574	812	-10186	64 1179 68826000		
CABLES	CONTROL-ENGINE-BUILDUP-TURBOJET-J-85	AIR	78.7608	108.373	946	-22854	65 1228 68828000		
CABLES	CONTROL-THRUSTLE	AIR	79.8539	114.807	812	-17532	64 1179 68830000		
CABLES	RELEASE-LIFE-RAFT-SURVIVAL-EQUIPMENT	AIR	80	140.428	50	-075	63 1114 68832000		
CABLES	STABILIZER-CONTROL	AIR	83.752	325.77	31	-01194	63 1111 68834000		
CABLES	LANDING-GEAR-NOSE	AIR	87.512	134.826	473	-11427	65 1228 68836000		
CABLES	WAKE-LANDING-GEAR	AIR	90.903	353.609	3	-011	62 1093 68838000		
CABLES	CONTROL-ENGINE-BUILDUP-TURBOJET-J-85	AIR	102.338	127.816	597	-41789	67 1272 68840000		
CABLES	CONTROL-THRUSTLE	AIR	102.669	141.206	812	-17532	64 1179 68842000		
CABLES	FEEDBACK-VARIABLE-GEOMETRY-TURBOJET	AIR	105.014	138.197	946	-22854	65 1228 68844000		
CABLES	INTERCONNECT-FLEXIBLE-ACTUATOR/WING-FLAP	AIR	109.35	143.131	946	-22854	65 1225 68846000		
CABLES	INTERCONNECT-FLEXIBLE-ACTUATOR/WING-FLAP	AIR	125.484	189.346	406	-08766	64 1179 68848000		
CABLES	INTERCONNECT-CONTROL-WING-FLAP	AIR	131.268	186.334	473	-11427	65 1228 68850000		
CABLES	RELEASE-ALTERNATE-LANDING-GEAR	AIR	131.268	186.334	473	-11427	65 1228 68852000		
CABLES	INTERCONNECT-FLEXIBLE-ACTUATOR/WING-FLAP	AIR	157.521	216.647	473	-11427	65 1228 68854000		
CABLES	INTERCONNECT-CONTROL-WING-FLAP	AIR	159.707	229.614	406	-08766	64 1179 68856000		
CABLES	RETRACTOR-ENGINE-NAVIGATION-SYSTEM	AIR	167.504	445.753	31	-01194	63 1111 68858000		
CABLES	WAKE-LANDING-GEAR-MAIN	AIR	167.504	445.753	31	-01194	63 1111 68860000		

PART CLASS	951 WIRE, CABLES AND HARNESSSES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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## JANUARY 1968

NON-ELECTRONIC PART FAILURE RATE DATA

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# RPM AIR DEVELOPMENT CENTER, GRIFISS AFB, N.Y. SECTION 1 FAILURE RATE DATA

## NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	WIRE, CABLES AND HARNESSES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	VR	CROSS INDEX
PART DESCRIPTION									
CO N.O.C.									
HARNESSES-ENGINE-WIRING	ENGINE-INDICATING-707.331	AIR	TOP	9.11854	20.3063	609	.329	66	2361 69020000
HARNESSES-IGNITION	ELECTRICAL-SYSTEM	AIR		5.07902	23.6455	504	.1645	66	1250 69030000
HARNESSES-SHOULDER	CREW-FLIGHT-DECK	AIR		91.0194	143.669	152	.05088	65	1227 69034000
HARNESSES-SHOULDER	OPEN-FLIGHT-DECK	AIR		199.707	229.614	406	.08766	64	1179 69035000
HARNESSES-SHOULDER	INSTRUCTOR-SEAT	AIR		250.969	334.776	406	.08766	64	1179 69038000
HARNESSES-SHOULDER	STUDENT-SEAT	AIR		364.942	401.369	597	.11789	67	1272 69040000
HARNESSES-SHOULDER	INSTRUCTOR-SEAT	AIR		459.557	500.133	597	.11789	67	1272 69041000
HARNESSES-SHOULDER	STUDENT-SEAT	AIR		533.823	632.545	473	.11427	65	1228 69044000
HARNESSES-SHOULDER	INSTRUCTOR-SEAT	AIR		603.833	700.09	473	.11427	65	1228 69046000
HARNESSES-SHOULDER	STUDENT-SEAT	AIR		79.0513	210.367	80	.0253	66	1257 69048000
INERTIA-REEL		MELI		184.331	490.534	40	.01085	66	1257 69050000
HARNESSES-SHOULDER		MELI		303.468	407.287	80	.0692	66	1257 69052000
INERTIA-REEL									
HARNESSES-THERMOCOUPLE	ENGINE-CONTROL-SYSTEM	AIR		9.11854	20.3063	608	.329	66	1250 69054000
HARNESSES-THERMOCOUPLE	ENGINE-INDICATING-707.131	AIR		55.401	655.294	151	.107	65	2361 69056000
STAINLESS-STEEL-19X7.310CL	RESOL-HOIST	MELI			23.1719		.09937	66	1234 69058000
WIRING	PYLON-SINGLE	AIR			44.3486		.04968	63	1123 69060000
WIRING	LAUNCHER-ARM-SUPPORT-EQUIPMENT	GRD			1.82833	150	1.2594	65	1214 69062000
WIRING	DISTRIBUTION-DC-POWER-SUPPLY	AIR			19.7868	100	.11637	65	1198 69064000
WIRING		MSL			20932.7	210	.00011	64	1143 69066000
WIRING	(OPERATING)	STM MSL			3654.92	1350	.00063	64	1143 69070000
WIRING	(CALENDAR)	GRD			.111028		20.739	65	1204 69072000
WIRING	(OPERATING)	GRD			.004529		508.41	65	1204 69074000
WIRING	(CALENDAR)	GRD			.120925		19.041	65	1204 69076000
WIRING	(OPERATING)	GRD			.006939		331.85	65	1204 69078000
WIRING	(OPERATING)	GRD			.00089		7863.8	65	1204 69080000
WIRING	DISTRIBUTION-DC-POWER-SUPPLY	GRD			.016765		702.12	65	1204 69082000
WIRING	DISTRIBUTION-DC-POWER-SUPPLY	AIR			11.3636	102	.088	63	1114 69084000
WIRING	DISTRIBUTION-DC-POWER-SUPPLY	AIR			15.7591	50	.12691	65	1198 69086000
WIRING	DISTRIBUTION-AC-POWER-SUPPLY	AIR			31.5183	50	.12691	65	1198 69088000
WIRING	DISTRIBUTION-AC-POWER-SUPPLY	AIR			51.5596	100	.11637	65	1198 69090000
WIRING	THRU-HEADING-SYSTEM-AJA-1	AIR			83.752	31	.01194	63	1111 69092000
WIRING	MARKER-BEACON-RADIO-ARN32	AIR			83.752	31	.01194	63	1111 69094000
WIRING	GLIDE-PATH-RADIO-ARN31	AIR			83.752	31	.01194	63	1111 69096000
WIRING	FUELING-SYSTEM	AIR			83.752	31	.01194	63	1111 69098000
WIRING	FLIGHT-INSTRUMENTS	AIR			83.752	31	.01194	63	1111 69100000
WIRING	WATER-INJECTION-SYSTEM	AIR			83.752	31	.01194	63	1111 69102000
WIRING	OIL-SYSTEM-ENGINE	AIR			83.752	31	.01194	63	1111 69104000
WIRING	COMPASS-M-1	AIR			83.752	31	.01194	63	1111 69106000
WIRING	STABILIZER-CONTROL	AIR			83.752	31	.01194	63	1111 69108000
WIRING	KACAR-BEACON-APN69	AIR			83.752	31	.01194	63	1111 69110000



FROM: AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION 1      PARAGRAPH DATA

# NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SET WIRING, CABLES AND HARNESSSES	UPPER QC CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRC	INDEX REF NO
WIRING	DISTRIBUTION-DC-POWER-SUPPLY	123.275	50	0.0478	63	1192 69112000
WIRING	DISTRIBUTION-DC-POWER-SUPPLY	173.262	50	0.075	63	1114 69114000
WIRING	DISTRIBUTION-AC-POWER-SUPPLY	129.747	50	0.08476	63	1194 69116000
WIRING	DISTRIBUTION-AC-POWER-SUPPLY	146.666	50	0.075	63	1114 69118000
WIRING	DC-POWER-SUPPLY	221.308	50	0.075	63	1114 69120000
WIRING	COMPRESSOR-BLEED-SYSTEM	445.753	31	0.1194	63	1111 69122000
WIRING	AIR-CONDITIONING	445.753	31	0.1194	63	1111 69124000
WIRING	CHART-TEMPERATURE-SET-ALC-1	445.753	31	0.1194	63	1111 69126000
WIRING	HYDRAULIC-PRESSURE-DISTRIBUTION	445.753	31	0.1194	63	1111 69128000
WIRING	ENGINE-PRE-SURE-RATIO	445.753	31	0.1194	63	1111 69130000
WIRING	ENGINE-INSTRUMENT	445.753	31	0.1194	63	1111 69132000
WIRING	ENGINE-STARTING-SYSTEM	445.753	31	0.1194	63	1111 69134000
WIRING	INTERIOR-LIGHTING	445.753	31	0.1194	63	1111 69136000
WIRING	AUTOREGOT-MA-2	559.53	31	0.1194	63	1111 69138000
WIRING	AUTOREGOT-MA-2	559.53	31	0.1194	63	1111 69140000
WIRING	OPNA-DIRECTIONAL-RADIO-ARM-14	559.53	31	0.1194	63	1111 69142000
WIRING	MAIN-LANDING-GEAR	665.476	31	0.1194	63	1111 69144000
WIRING	TIP-PROTECTION-OPAR	665.476	31	0.1194	63	1111 69146000
WIRING	ASTROCOMPASS-MD-1	665.476	31	0.1194	63	1111 69148000
WIRING	TRANSMITTER-ALT-GB	665.476	31	0.1194	63	1111 69150000
WIRING	ASTROCOMPASS-MD-1	665.476	31	0.1194	63	1111 69152000
WIRING	COMPASS-RADIO-ARC-34	665.476	31	0.1194	63	1111 69154000
WIRING	EXTENSION-LIGHT	665.476	31	0.1194	63	1111 69156000
WIRING	TRACK-RACAR-MSG-15-FIRE-CONTROL-SYSTEM	776.775	31	0.1194	63	1111 69158000
WIRING	INTERPHONE-ALC-10A	812.085	31	0.1194	63	1111 69160000
WIRING	STARCH-RACAR-MSG-15-FIRE-CONTROL-SYSTEM	812.085	31	0.1194	63	1111 69162000
WIRING	INDICATOR-QUANTITY-OXYGEN	892.085	31	0.1194	63	1111 69164000
WIRING	RACAR-DATA-PRESENTATION-SET-ASB4	915.837	31	0.1194	63	1111 69166000
WIRING	COMPLET-HAUBER-SET-APN-49	915.837	31	0.1194	63	1111 69168000
WIRING	IGNITION-SYSTEM	915.837	31	0.1194	63	1111 69170000
WIRING	CLA-TURFET-FIRE-CONTROL-SYSTEM	1088.23	31	0.1194	63	1111 69172000
WIRING	ELECTRICAL-DISTRIBUTION-SYSTEM	1113.17	31	0.1194	63	1111 69174000
WIRING	HE-SPELCO-ROBBING-RACAR-ASB-26	1409.24	31	0.1194	63	1111 69176000
WIRING	LIASON-HALIO-ARC-58	1587.76	31	0.1194	63	1111 69178000
WIRING	BOMBING-NAVIGATION-COMPUTER-ASB4	1722.52	31	0.1194	63	1111 69180000
WIRING	PNEUMATIC-SUPPLY-SYSTEM	1722.52	31	0.1194	63	1111 69182000
WIRING	EXHAUST-GAS-TEMPERATURE	1977.06	31	0.1194	63	1111 69184000
WIRING	ENGINE-INSTRUMENT	2169.39	31	0.1194	63	1111 69186000
WIRING	FIRE-DETECTION-SYSTEM	2208.26	31	0.1194	63	1111 69188000
WIRING	FULL-INDICATION-SYSTEM	14826.1	31	0.1194	63	1111 69190000
WIRING	AC-CONTROL	83.752	31	0.1194	63	1111 69192000

HOME AID DEVELOPMENT CENTER, GRASSISS AVE, N.Y.  
SECTION 1 FAILURE RATE DATA

## NONLECTRONIC PAY FAILURE RATE DATA

January 1968

PART CLASS	WIRING, CABLES AND HARNESSSES	FUNCTIONAL APPLICATION	ENVIRONMENT DATA	UPPER 90 CONF LIMIT	PART POPULATION	PART HOURS	YR OF DATA RPT SRCF	CROSS INDEX REF NO
WIRING-BE THER-EQUIPMENT								
WIRING-GROUND-STATIC	LANDING-CLAR-MAIN	LAB	615	561.241	1194	1.0357	63	1138 69194000
WIRING-GROUND-STATIC	LANDING-CLAR-MAIN	AIR	566.95	615.133	946	2.2854	67	1272 69196000
WIRING-GROUND-STATIC	LANDING-CLAR-MAIN	AIR	569.904	680.983	812	1.7532	65	1228 69198000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	1521.24	1650.31	100	1.6956	64	1179 69200000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	1731.54	187.453	100	1.59	63	1198 69202000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	1826.48	2051.81	96	0.4944	63	1114 69204000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	2872.11	3013.02	100	2.5382	65	1227 69206000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	3780.69	4000.75	192	0.8226	65	1196 69208000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	4580.24	4511.21	254	1.76	63	1114 69210000
WIRING-GROUND-STATIC	AUXILIARY-SYSTEM	AIR	5873.5	5111.24	196	0.31	63	1114 69212000
WIRING-GROUND-STATIC	POWER-UNIT-ENGINE-CONTROL	AIR	6081.82	6081.82	202	2.2374	65	1198 69214000
WIRING-GROUND-STATIC	POWER-UNIT-ENGINE-CONTROL	AIR	4.5388	4.5388	206	0.5073	64	1198 69216000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	4.94672	4.94672	400	1.6549	65	1198 69218000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	4.94672	4.94672	400	1.6549	65	1198 69220000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69222000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69224000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69226000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69228000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69230000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69232000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69234000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69236000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69238000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69240000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69242000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69244000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69246000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69248000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69250000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69252000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69254000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69256000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69258000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69260000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69262000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69264000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69266000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78	100	1.1137	65	1198 69268000
WIRING-GROUND-STATIC	CONTROL-PROPPELLER-ASSEMBLY	AIR	15.78	15.78				

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.      NONELECTRONIC PART FAILURE RATE DATA      JANUARY 1968

SECTION I      FAILURE RATE DATA

PART CLASS	951 WIRE, CABLES AND HARNESSES	FUNCTIONAL APPLICATION			UPPER 90 CONF	PART POPU-	PART	YR	CROSS
PART DESCRIPTION		ENVIRONMENT	FAILURE RATE	LIMIT	LATION	HOURS	RPT SRCE	REF NO	
.16 COPPER									
WIRING-NYLON-MULTIPLE-STRAND-SLEEVE-UNSHIELDED-FLEXIBLE		GRD	*	508.3	6	.00.23	62	1177	69270000A

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.  
SECTION I FAILURE RATE DATA

NON-ELECTRONIC PART FAILURE RATE DATA

JANUARY 1968

PART CLASS	SEC VOKES	FUNCTIONAL APPLICATION	ENVIRONMENT	FAILURE RATE	UPPER 90 CONF LIMIT	PART POPU- LATION	PART HOURS	YR OF RPT	CROSS INDEX
PART DESCRIPTION									
400 N.O.C.									
		STATIC-LINE-AIR-DROP-SYSTEM	AIR	0	93-1472	48	.02472	65	1227 69272000
		STATIC-LINE-AIR-DROP-SYSTEM	AIR	0	55-9834	76	.04113	66	1250 69274000
		20MP-GUN	GRD	20R	39-9677R	4	.2R	64	1134 69276000